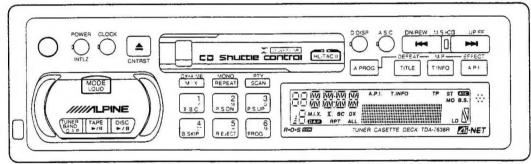


FM/MW/LW/RDS Tuner Cassette Deck

CD Shuttle Controller

 For the cassette deck mechanism parts (GR75H13A) of this model, refer to the Service Manual • GR/GR-Y Series (68P20504W07).



AH-NET



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Specifications

TAA DADIO
FM RADIO Intermediate Frequency
Intermediate Frequency 97.5~108MHz
Frequency Range
Usable Sensitivity (lytono at 30.11vin2)
- 3db Limiting Sensitivity (at 30. Harrz)
5 / N RATIO (Stereo oughu 30.11VID4)
made kelection (at 100.1911)2/
ir Rejection (at 90.119172)
Distortion (Input 60dBµ at 98.1MHz)
Frequency Response (Ref. 400Hz, at 98.1MHz)
10kHz: -13±3dB
Stereo Separation (at 30, hypra)
PS Sensitivity (98.1MHz)
TP Sensitivity (98.1MHz)
MW RADIO
Intermediate Frequency
Frequency Range
Usable Sensitivity (20dB S / N, at 999kHz)
S / N Ratio (at 999kHz)
Image Rejection (at 1,404kHz)
IF Rejection (at 603kHz)
Distortion (at 999kHz)
Frequency Response (Ref. 400Hz, at 999kHz)
4kHz:-12+6,-12dB
LW RADIO 450kHz
intermediate requelity,
Frequency Range
USable Sensitivity (2005 57 N, at 210KHz)
3 / N RALIO (at 2 OKH2)
IMAGE REJECTION (OF STANDE)
IF REJECTION (AL TOZKITZ),
Distortion (at 216kHz)
Frequency Response (Ref. 400Hz, at 216kHz)
4kHz:-12+6, -12dB
TAPE PLAYER
Wow & Flutter (JIS, WRMS / MTT - 111N)
Tape Speed (MTT-111N)
Tape Speed (MTI - 111N)
S / N Ratio (MTT - 212N) Dolby OFF: 52di Distortion (MTT - 118N) 2%
Distortion (MTT - 118N)
Frequency Range (Ref. 1kHz, MTT-256)
Separation (MTT-141N)
Crosstalk (MTT-121N)
FF & REW Time (C-60)
FF & REVV TIME (C-60)
GENERAL
Power Supply
Output Voltage / Impedance
Semiconductors 41 IC's, 66 Transistors, 26 Diodes, 12 Zener Diodes
Dimension (W×H×D)
Nose: 171×48×22.5 mm
Weight
vveignt

Note: Due to Continuing product improvement, specifications and designs are subject to change without notice.

In Case of Difficulty

If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Initial Turn-on After Installation

Symptom	Cause	Solution			
No function or display.	Car's ignition is off.	If connected following instructions, the unit will not operate with the car's ignition off.			
	Improper power lead connections.	Check power lead connections.			
	Blown fuse.	Check the fuses on the battery leads; replace with the proper value if necessary.			

Radio Mode

Unable to receive stations.	No antenna or open connection in cable.	Make sure the antenna is properly connected; replace the antenna or cable if necessary.	
Unable to tune stations in the	You are in a weak signal area.	Make sure the tuner is in the DX mode.	
seek mod e .	If the area you are in is a primary signal area, the antenna may not be grounded and connected properly.	Check your antenna connections; make sure the antenna is properly grounded at its mounting location.	
	The antenna may not be the proper length.	Make sure the antenna is fully extended; if broken, replace the antenna with a new one.	
Broadcast is	The antenna is not the proper length.	Extend the antenna fully; replace it if is broken.	
noisy.	The antenna is poorly grounded.	Make sure the antenna is grounded properly at its mounting location.	

Tape Mode

Output sounds dull.	The tape head needs cleaning. Incorrect Dolby NR in use.	Clean the tape nead. Check Dolby NR switch setting.
Guii.	incomed boildy in in age.	Chican baray rari amman admings

In Case of Difficulty

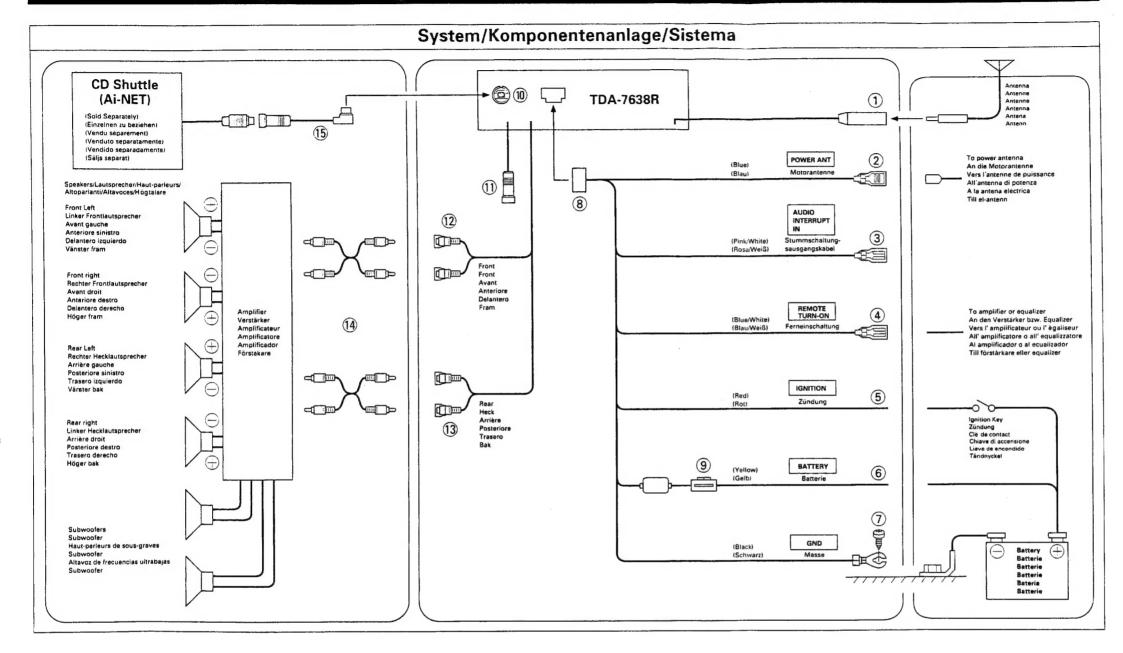
CD Shuttle Mode

CD Shuttle not functioning.	Out of operating temperature range +50°C (+120°F) for CD.	Allow the car's interior (or trunk) temperature to cool,	
CD playback sound is wavering.	Moisture condensation in the CD Module.	Allow enough time for the condensation to evaporate (about 1 hour).	
Unable to fast forward or backward.	The CD has been damaged.	Eject the CD and discard it; using a damaged CD in your unit can cause damage to the mechanism.	
Sound skips due to vibration.	Improper mounting of the CD Shuttle. Disc is very dirty. Disc has scratches.	Securely re-mount the CD Shuttle. Clean the disc. Change the disc.	
Sound skips without vibration.	Dirtyeor scratched disc.	Clean the disc; damaged discs should be replaced.	
Single (8cm) disc does not play.	Single CD adaptor is not used.	Attach a single CD adaptor (recommended by Alpine) to the single disc and insert into the CD magazine.	

Indication for CD Shuttle

Indication	Cause	Solution		
н	Protective circuit is activated due to high temperature.	The indicator will disappear when the temperature returns to within operation range.		
ERROR 01	Malfunction in the CD Shuttle.	Consult your Apline dealer. Press the magazine eject button and pull out the magazine. Check the indication. Insert the magazine again. If the magazine cannot be pulled out, consult your Alpine dealer.		
	Magazine ejection not possible.	Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.		
ERROR 02	A disc is left inside the CD Shuttle.	Press the EJECT button to activate the eject function. When the CD Shuttle finishes the eject function, insert an empty CDma.gazine into the CD Shuttle to receive the disc left inside the CD Shuttle.		
NO MAGZN	No magazine is loaded into the CD Shuttle.	insert a magazine.		
NO DISC	No indicated disc.	Choose another disc.		

Connections/Anschlüsse/Connexions/Collegamenti/Conexiones/Anslutningar



- 1 Antenna Receptacle
- Power Antenna Lead (Blue)
 When loaded with a power antenna, connect to the +B terminal of the power antenna.
- 3 Audio Interrupt In Lead (Pink White)
- Remote Turn-On Lead (Blue/White)
 Connect this lead to the remote turn-on lead of your amplifier or signal processor.
- (5) Switched Power Lead (Ignition) (Red)
 Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory posi-
- 6 Battery Lead (Yellow) Connect this lead to the positive (+) post of the vehicle's battery.
- Ground Lead (Black) Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
- **8 Power Supply Connector**
- 9 Fuse Holder (3A)
- Ai-NET Input Connector
 Connect this to the Ai-NET Output connector
 on other Ai-NET model.
- 1 Ai-NET Output Connector
- 12 Front Output RCA Connectors RED is right and WHITE is left.
- (13) Rear Output RCA Connectors
 RED is right and WHITE is left.
- (14 RCA Extension Cable (Sold Separately)
- 15 Ai-NET Cable

LOUD LD

LOUD OFF

-A.S.C. 1-

A.S.C. 2

A.S.C. 3

ASC OFF





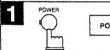




When operating the unit for the first time after installation or after the vehicle's battery has been disconnected and reconnected, set the volume level to its minimum, then press the INTLZ button for at least 3 seconds to reset the unit.

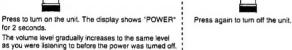
Turning Power On and Off





cassette tape.



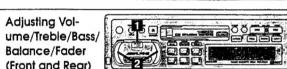


Note: The unit can be turned on by pressing any button except the eject ≜ and CLOCK buttons, or by inserting a

Handling the Detachable Front Panel

Do not expose to rain or water.

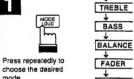






mode.

Adjusting Vol-



BALANCE FADER VOLUME

 If the level control is not rotated in 5 seconds after selecting the TREBLE, BASS, BALANCE and FADER modes, the unit automatically sets in the VOLUME mode.

 Volume level can be adjusted by rotating the level control without first pressing the mode button.



TREBLE Rotate the level control clockwise or counterclockwise to increase or decrease the level until the desired sound is obtained

lote: When this control is rotated to its extreme end, the level changes quickly.
The settings of the Bass and Treble will be individually memorized for each source (FM, MW, LW, tape and

CD) until the setting is changed.

Basic Operation

Turning Loudness On/Off



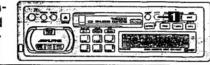
Loudness introduces a special low- and high-frequency emphasis at low listening levels to compensate for the ear's decreased sensitivity to bass and treble sound.



Press for at least 2 seconds to activate or deactivate the oudness mode. Note: When an optional Algine Audio Processor (Equalizer or

Divider) is connected to the TDA-7638R, the Loudness mode is unfunctional.

Presetting Ambience Sound Compensator (A.S.C.) Level



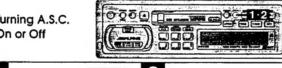
The built-in Fuzzy Logic circuit detects the low/mid frequency noise created by the vehicle engine and road surface, then adjusts the volume and bass levels to mask the noise Note: When an optional Alpine Audio Processor (Equalizer or Divider) is connected to the TDA-7638R, the A.S.C. mode is unfunctional.



Press for at least 2 seconds to activate the A.S.C. level selecting mode. The display blinks for 2 seconds. Press repeatedly to choose the desired A.S.C. level.

The unit autoamtically stores the selected level in memory and the A.S.C. level

Turning A.S.C. On or Off



A.S.C.

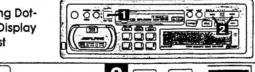
CONTRAST



Press momentarily to activate the A.S.C. mode. The A.S.C. indicator illuminates for 2 seconds.

To deactivat the A.S.C. mode, press again The ASC OFF indicator appears for 2

Adjusting Dot-Matrix Display Contrast

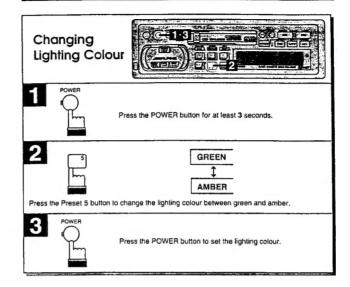




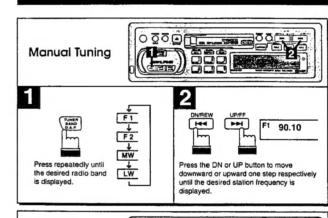
Press for at least 3 seconds to activate the contrast adjusting mode. The display shows

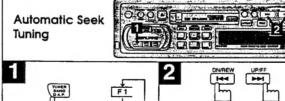
CONTRAST Press the les or button repeatedly to select the desired contrast level of the display while "CONTRAST" is display The selected contrast level is automatical set after 5 seconds.

Basic Operation



Radio Operation





F2 ₩₩ Press repeatedly until LW the desired radio

UP/FF Press and hold down the DN button or

UP button for at least 0.5 seconds to automatically seek a station downward or upward respectively. When the unit finds a station, it automatically stops at that station To automatically seek and tune to the next station, press the button again for at least 0.5 seconds.

Radio Operation

Mono/Stereo Switching



ST indicator appears when a stereo station is tuned in.



F1 101.50 HO

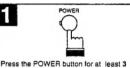
F1 101.50 ST

Press to switch from the stereo mode to the monaural mode to reduce the noise level of noisy stereo broadcast due to weak signal. In the monaural mode, the MO indicator appears. Press again to return to the stereo mode.

Adjusting FM Signal Level



If the difference in volume levels between the FM station and the tape player is great, you can adjust the FM signat level to make the difference smaller.



FM-LV HI FM-LV Lo Press to select the desired signal level.

3



Press to preset the FM signal level in memory and deactivate the adjusting mode.

Radio Station Auto-Seek Sensitivity

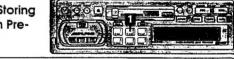


M.I.X.

Press the DX-A MF button to illuminate the mode activated, both strong and weak stations will be tuned in the Auto-Seek

Press the DX•A.ME button again to return to the local mode. The DX indicator will turn off and only strong stations will be tuned.

Manual Storing of Station Presets

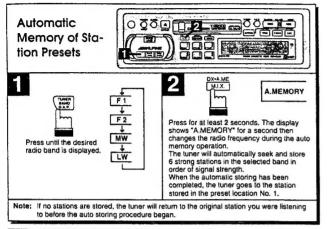


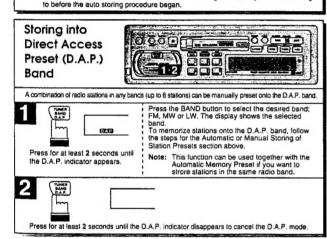
A SKIP REJECT PROG

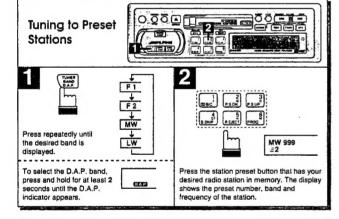
- 1. Tune in the desired radio station you wish to store in the preset memory.
 2. Press any one of the preset buttons (1 through 6) for at least 2
- Press any one of the present utilities (in friedge) of for at least 2 seconds until the frequency display blinks.
 Press the preset button into which you wish to store the station while the display is blinking (within 5 seconds).
 The display changes from blinking to steady lighting indicating hat the station has been memorized. The preset number is also
- Repeat the procedure to store 5 other stations onto the same band. Use this procedure for other bands.

A total of 30 stations can be stored in the preset memory (6 stations for each band; FM1, FR2, MW, LW and D.A.P.). The RDS stations can be preset in the FM1, FM2 and D.A.P. bands city. Note: If a preset memory has already been set in the same preset location, it will be cleaned and the new station will be memorized.

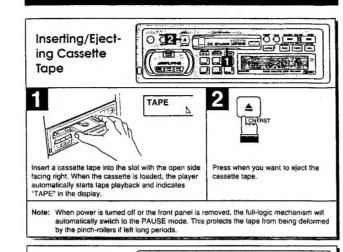


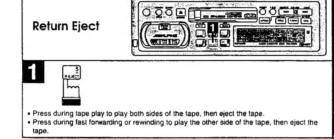




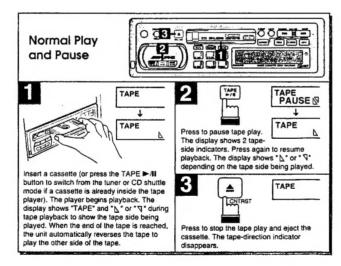


Cassette Player Operation

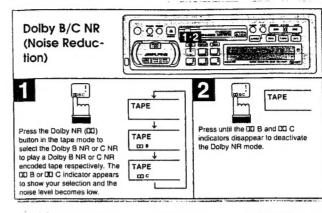


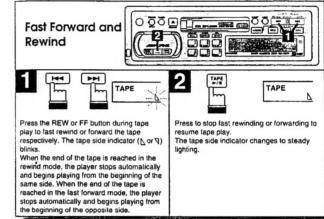


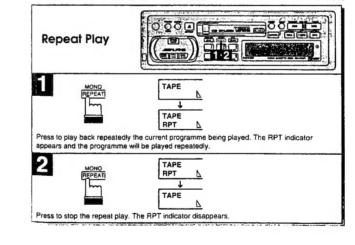
Note: Auto Metal
When a metal cassette tape is inserted, the player automatically adjusts to the equalization



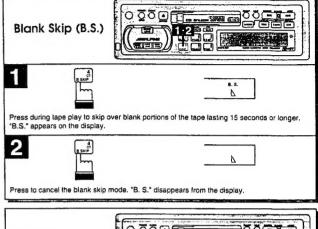
Cassette Player Operation

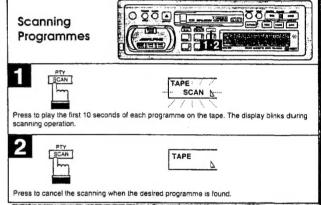


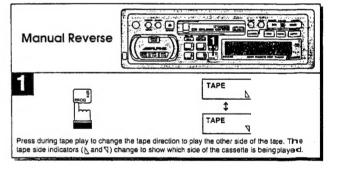




Cassette Player Operation



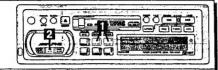




Cassette Player Operation

TAPE P.S.-1





Press the P.S. DN button once to return to the beginning of the current selection being played. If you wish to return to a selection further back, press repeatedly until the number of selections you would like to skip is shown in the display. The display will show P.S. -1 with the first press and will increase by one with each successive press up to P.S. -9. The tape indicator will blink up to P.S. +9. The tape indicator will blink

Press the P.S. UP button once to advance to the beginning of the next selection. If you wish to advance to a selection further ahead, press repeatedly until the number of selections you would like to skip is shown in the display. The display will show P.S. +1 with the first press and will increase with each successive press showing the direction of your search.

TAPE P.S.+1

The tape direction indicator blinks during searching operation.

2 TAPE F/N

To stop the programme searching, press the TAPE

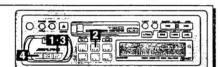
Notes: • The programme sensor feature is functional in

the tape play mode only.

• You can advance to the 9th (max.) programm or return to the 8th (max.) programme.

CD Shuttle Operation

Controlling CD Shuttle (Optional)



If an optional Alpine 6-disc CD Shuttle is connected to the Ai-NET connector of the TDA-7638R through an Ai-NET adaptor, you can control the CD Shuttle using the TDA-7638R. You can connect and operate multiple Alpine CD Shuttles when these are connected through the Multi-Changer Switching device(s) (KCA-400C) to the TDA-7638H. See the Multi-Changer Selection section on next page for selecting the CD Shuttles.

Note: The controls on the TDA-7638R for the CD operation are operative only when the CD Shuttle is interconnected with the TDA-7538R.

DISC P/I

The display example shows when playing the Track 1 on the Disc 3. 01 12'36 3 DISC-3



Press to activate the connected CD Shuttle. The display shows the disc number and track number then the CD Shuttle starts to play

Press the buttons to select the desired disc loaded in the CD Shuttle. The CD Shuttle begins playing from the first track on the

DESC PSUP PSUP

3 DISC

from the first track.



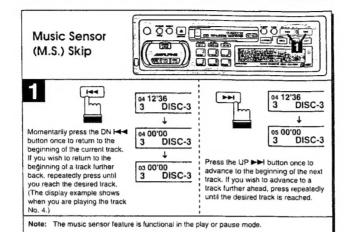
Press to pause CD play. The display shows PAUSE.

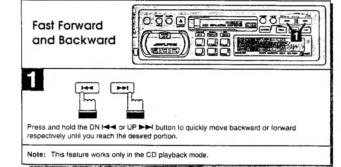
To resume CD play, press again. The PAUSE indicator disappears.

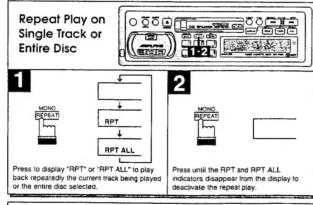
TUMER TAPE BANG DAP P/R

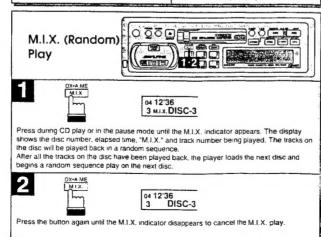
Press the TUNER or TAPE button to deactivate the CD shuttle mode and activate the tuner

CD Shuttle Operation

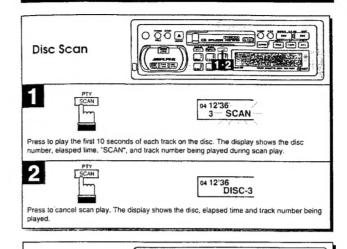


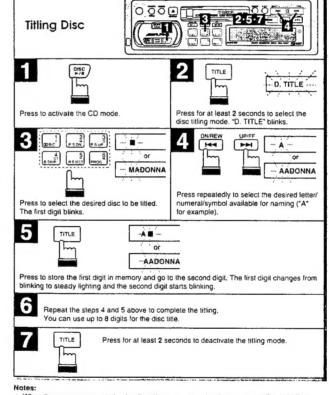






CD Shuttle Operation

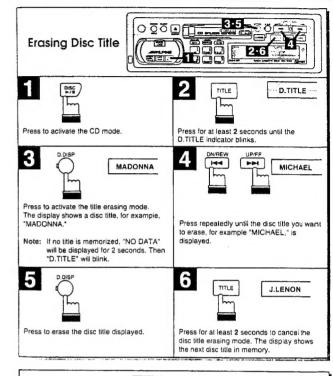




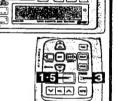
- When the memory capacity for the disc titles is used up, the display shows "FULL DATA" to indicate that no more title can be memorized. Refer to the Owner's Manual of the CD Shuttle interconnected for information about how many discs you can title.

 The CD titles stored in memory will be erased when the Ai-NET cable to the CD Shuttle is

CD Shuttle Operation







- pt.)

You can connect and operate 2 or more (maximum 6) Alpine CD Shuttles with the Ai-NET function when these are connected through the Multi-Changer Switching device (KCA-400C) to the TDA-7583R. If you use 1 Switching device, you can connect up to 4 CD player/ Shuttles. If you use 2 Switching devices, you can connect up to 6 CD player/Shuttles.



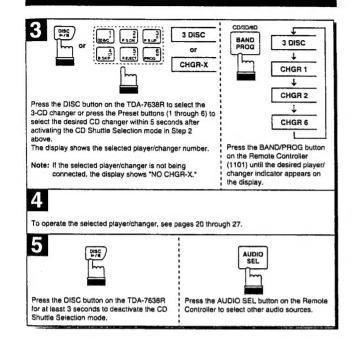
Press the AUDIO SEL button on the Remote Controller (1101) to activate the CD more. Proceed to Step 3 below to select the desired

AUDIO SEL

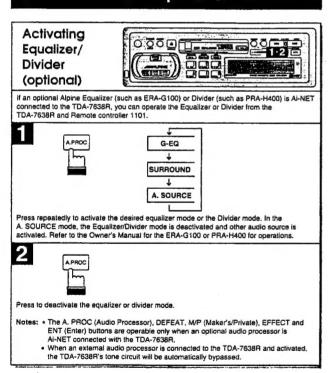


Press the DISC button on the TDA-7638R for at least 2 seconds to activate the CD Shuttle Selection mode.

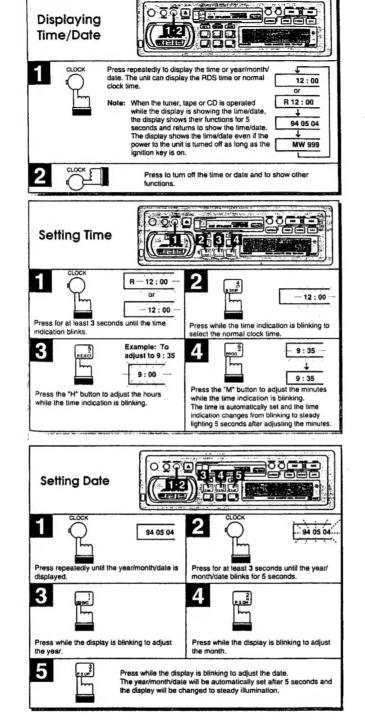




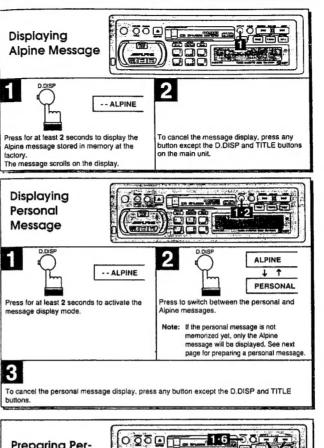
Audio Processor Operation

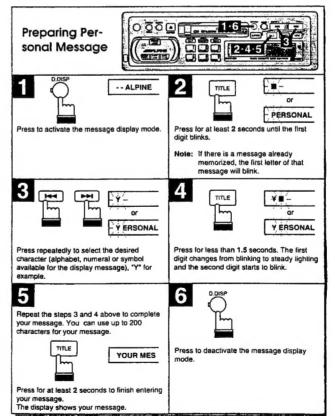


Clock Operation

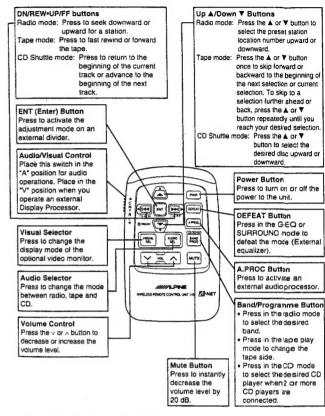


Message Display



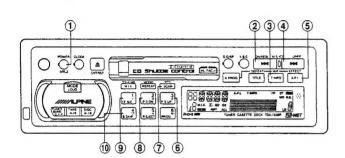


Remote Control

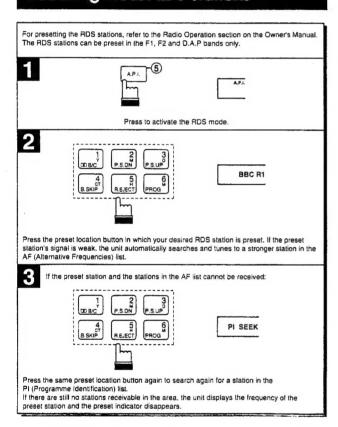


Note: Point the remote control toward the remote sensor on the upper left side of he main unit to operate the unit.

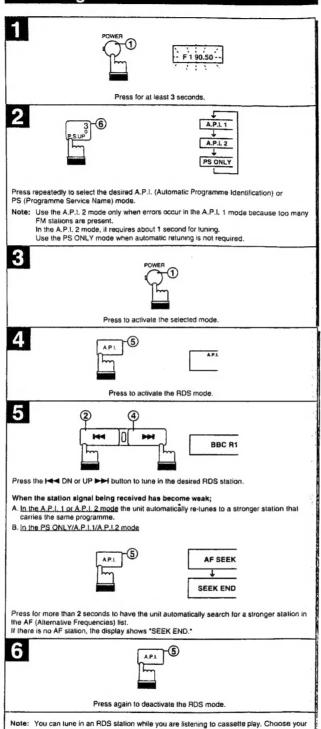
RDS



Recalling Preset RDS Stations

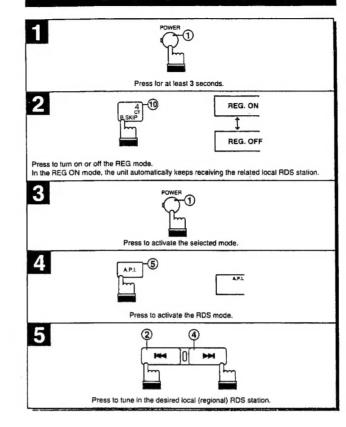


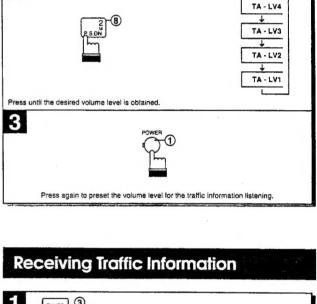
Setting RDS Reception Mode and Receiving



desired station in 5 seconds after the step 4 above.

Receiving RDS Regional (Local) Stations





Presetting Volume Level for Traffic Information

Press for at least 3 seconds.

2

T.INFO Press to display the T.INFO indicator 2 4 144 -TINFO TP Press the I ON or UP button to select your desired traffic information station. When a traffic information station is tuned in, the TP indicator lights up.

Fraffic information is heard only when it is being broadcast. If traffic information is not being broadcast, the unit is set in the standby mode. When a traffic information broadcast begins, the unit automatically receives it and the display shows "TRF, INFO."

When traffic information broadcast is over, the unit will automatically set in the standby

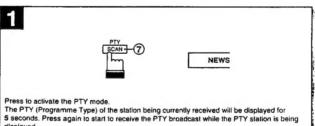
Note: If the traffic information broadcast signal falls below a certain level, the unit remains in the receiving mode for 1 minute. If the signal remains below a certain level for over 1 minute, the unit is set in the standby mode for the traffic information broadcast.

- When a traffic information broadcast starts, the unit automatically places the cassette player in the pause mode or stops receiving the regular FM signal. The volume level rises to the preset level if you were listenting to cassette or FM at a low level.
- When the traffic information broadcast finishes, the unit automatically returns to the original source play before the traffic information broadcast began.
- When the TP signal can no longer be received, an alarm will be sounded after 1 minute. In the tape or EXT mode: When the TP signal can no longer be received, the traffic information station of another frequency will be selected automatically.

When traffic information stations cannot be received:

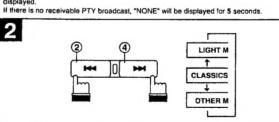
ote: The receiver is equipped with the EON (Enhanced Other Networks) function in order to keep track of additional alternative frequencies to the AF list. If the station being received does not broadcast the traffic information, the receiver automatically tunes in the related station that broadcasts the traffic information when it occurs.

PTY Tuning



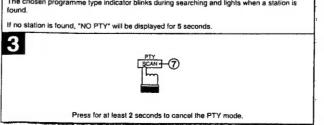
displayed.

If there is no receivable PTY broadcast, "NONE" will be displayed for 5 seconds



Press within 5 seconds after activating the PTY mode to choose the desired programme type while the PTY programme type is being displayed.

The tuner starts searching for a station in the chosen programme type after 3 seconds. The chosen programme type indicator blinks during searching and lights when a station is



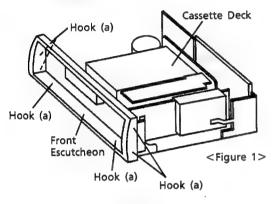
Disassembly Instructions

1. Removal of Nose Unit

(1) Refer to the Owner's Manual (Part No. 68P50390W83).

2. Removal of Front Escutcheon

(1) After removal of Top Cover, remove the Hooks (a) as shown in Figure 1.

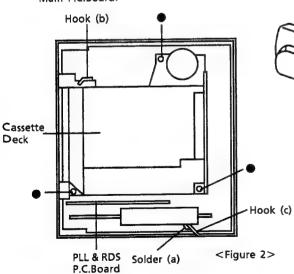


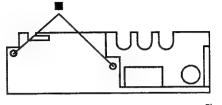
3. Removal of Cassette Deck

- (1) Remove the Hook (b) as shwon in Figure 2.
- (2) Remove three screws marked "●" as shown in Figure 2.
- (3) Disconnect one Connector from the Cassette Deck.

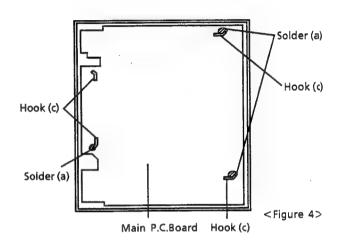
4. Removal of Main P.C.Board

- (1) Remove the Solder (a) and Hooks (c) as shown in Figure 2, 4.
- (2) Remove two screws marked "■" as shown in Figure 3.
- (3) Disconnect two connectors from the Main P.C.Board.



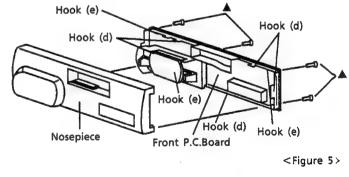


<Figure 3>



5. Removal of Front P.C.Board

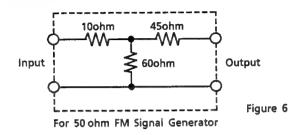
- (1) After removal of Nose Unit, remove four screws marked "▲" and the Hooks (d) as shown in Figure 4.
- (2) Remove the Hooks (e) as shown in Figure 5.



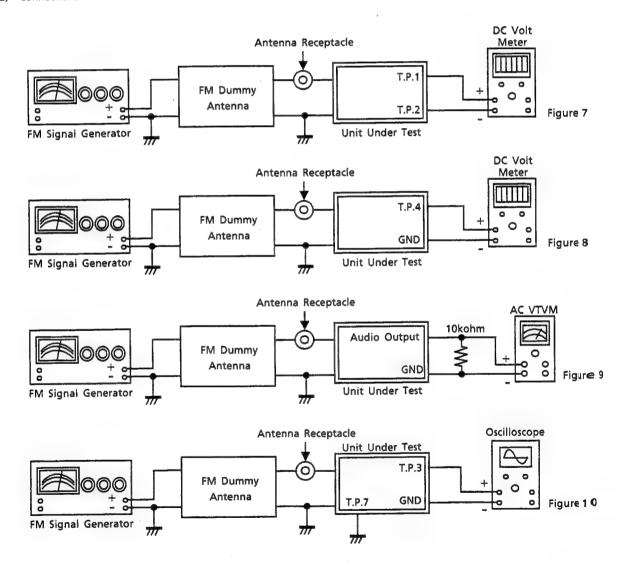
Adjustment Procedures

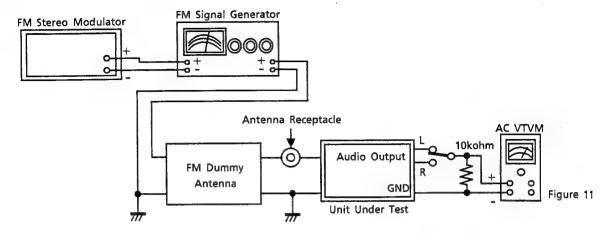
1. FM SECTION

(1) Dummy Antenna Circuit



(2) Connections





(3) Control Settings

Power Switch	01
Fader Control	Center Position
Balance Control	Center Position
Treble / Bass Control	Center Position
Band Switch	FN
Others	OFI

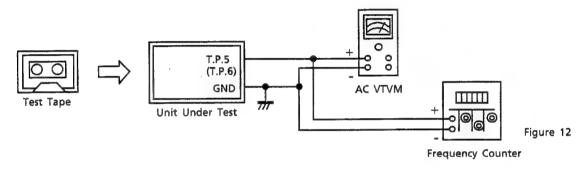
(4) Adjustment Procedures

Step	Descriptio	n	Connection	Signal Generator	Dial Control	Test Point	Adjustment
1	IF Figure 7		98.1MHz, 72dB (Mod. OFF)	98.1MHz	T.P.1 T.P.2	Adjust L2101 for 0±15mV.	
2	Signal Mete Adjustment		Figure 8	98.1MHz, 46dB (Mod. 400Hz)	98.1MHz	T.P.4	Adjust VR2101 to 3±0.1V.
	Noise Level	(1)	Figure 9	98.1MHz, 72dB (Mod. 400Hz)	98.1MHz	Audio Output	Adjust VR401 (VOLUME) to obtain 500mV output. This value is 0dB.
3	Adjustment	(2) Figure 9 98.1Mi		98.1MHz, -19dB (Mod. 400Hz)	98.1MHz	Audio Output	Adjust VR2106 to -30±5dB output at SG level minimum.
4	Seek Stop Adjustment		Figure 10	98.1MHz, 26dB (Mod. OFF)	98.1MHz	T.P.3	Adjust VR2105 for the waveform changing to maximum output. Figure: Waveform of T.P.3 output. MAX. Stop the adjust VR2105 at this time.
5	Stereo Separation Adjustment (Lch) Stereo 98.1MHz, 72dB (Stereo 1kHz, Lch, only)		98.1MHz	Audio Output	Adjust VR2104 for Rch output to be minimum, and confirm Lch and Rch output level difference is more than 20dB.		

Step	Description	Connection	Signal Generator	Dial Control	Test Point	Adjustment
6	Stereo Blend Adjustment (Lch)	Figure 11	98.1MHz, 46dB (Stereo 1kHz, Lch, only)	98.1MHz	Audio Output	Adjust VR2102 for Lch and Rch output level difference to be 8dB.
7	Stereo Separation Adjustment (Rch)	Figure 11	98.1MHz, 72dB (Stereo 1kHz, Rch, only)	98.1MHz	Audio Output	Proceed same adjustment under step 5 by alternating Lch and Rch.
Stereo Blend 98.1MHz, 46dB Adjustment Figure 11 (Stereo 1kHz, Rch, only)		98.1MHz	Audio Output	Proceed same adjustment under stop 6.		

2. TAPE PLAYER SECTION

(1) Connector



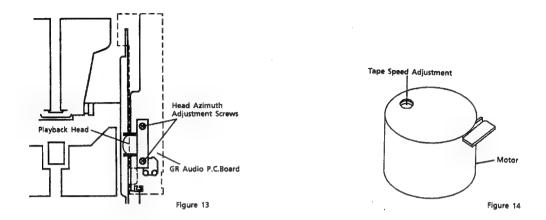
(2) Control Settings

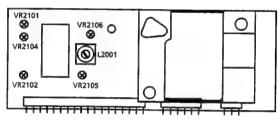
Power Switch	ON
Fader Control	Center Position
Balance Control	Center Position
Treble / Bass Control	Center Position
Others	OFF

(3) Adjustment Procedures

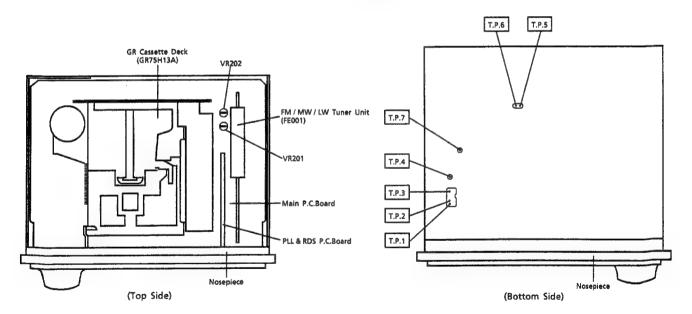
Step	Description	Test Tape	Connection	Test Point	Adjustment Point	Adjustment
1	Head Azimuth Adjustment	MTT-114NB (14kHz)	Figure 12	T.P.5 (Lch) T.P.6 (Rch)	Head Azimuth Adjustment Screws (Figure 13)	Adjust for Max. and same level output at Normal and Reverse positions.
2	Dolby Level Adjustment	MTT-150 (400Hz)	Figure 12	T.P.5 (Lch) T.P.6 (Rch)	VR201 (Lch) VR202 (Rch)	Adjust for 388mV at T.P.5 (Lch) and T.P.6 (Rch).
3	Tape speed Adjustment	MTT-111N (3kHz)	Figure 12	T.P.5 (Lch) or T.P.6 (Rch)	Tape Speed Adjustment (Figure 14)	Adjust for 2,970 to 3,090Hz at T.P.5 (T.P.6).

Adjustment Locations





FM / MW / LW Tuner Unit (FE001)



Note: For the detailed Test Points (T.P.1~T.P.7), refer to the Parts Layout on P.C.Board and Wiring Diagram.

Description of IC Terminal

45552W28 (IC401)

45552W28 (IC401)							
No.	Symbol	1/0	Terminal Description				
1	7582 INH	0	INH signal output terminal to LC7582W.				
2	7582 CE	0	Stand by control terminal to LC7582W.				
3	7582 CLK	0	Communication sync signal output terminal to LC7582W.				
4	7582 DATA	0	Serial data output terminal to LC7582W.				
5	7229 CS	0	CS output terminal to Display microcomputer.				
6	7229 CLK	0	Communication sync signal output terminal to Display microcomputer.				
7	7229 RST	0	System clock output terminal to Display microcomputer.				
8	ORG / GRN	0	Output terminal for lamp switching.				
9	V _{SS}		GND potential terminal.				
10							
11			· ·				
12		1					
13							
14							
15	V_{SS}	1 –	GND short.				
16							
17							
18							
19							
20							
21		1					
22	EEPCLK	0	Clock data output terminal to EEPROM.				
23	EEPDI	1	Serial data input terminal from EEPROM.				
24	V _{SS}	_	GND potential terminal.				
25	EEPDO	0	Serial data output terminal to EEPROM.				
26	P.ON	0	Power control signal output terminal to LCD Driver.				
27	KS0						
28	KS1	1 .					
29	KS2	1 0	Key scan signal output terminal.				
30	KS3	1					
31	V _{SS}		GND short.				
32	- 33						
33	V _{SS}	_	GND short.				
34	* 22						
35	RESET		System reset input terminal.				
36	V _{SS}	 	GND short.				
37	REMOCON	1	Remocon data input terminal.				
38	CONT - START	 	Command sync signal input terminal from Main microcomputer.				
39	AREA 0	i	Initial setting input terminal.				
40	V _{CC}		Positive power supply.				
41	X2	 					
42	X1	1 -	Ceramic element connection terminal for system clock OSC.				
43	V _{SS}		GND short.				
44	NC NC		Open.				
45	AREA 1	1	Initial setting input terminal.				
46	V _{SS}	<u> </u>	GND potential terminal.				
47	V _{SS}	+ =	GND short.				
47	V _{SS} KR1	 	GIAD SHOTC				
48	KR2	- 1	Key-matrix signal input terminal.				
49	NR2	<u> </u>					

No.	Symbol	1/0	Terminal Description			
50	KR3					
51	KR4	,	Key-matrix signal input terminal.			
52			Key-matrix signal input terminal.			
53	KR6					
54	SELF VR	1	VR position signal terminal for audio control.			
55	V		Positive power supply terminal short.			
56	V _{SS}					
57	CONT - STATUS	1	Serial data signal input terminal from Main microcomputer.			
58	CONT - COMMAND	0	Serial data signal output terminal to Main microcomputer.			
59	CONT - SCK	I	Communication sync signal input terminal from Main microcomputer.			
60	7229 C/D	0	C/D signal output terminal to Display microcomputer.			
61	7229 BUSY		Busy signal input terminal from Display microcomputer.			
62	V _{SS}	_	GND short.			
63	7229 Si	0	Serial data output terminal to Display microcomputer.			
64	7229 SCK	0	Serial clock data output terminal to Display microcomputer.			

35265W02 (IC403)

No. Symbol I/O Terminal Description	3320.	35265WUZ (IC4U3)								
Column drive signal output terminal to LCD.	No.	Symbol	1/0	Terminal Description						
Column drive signal output terminal to LCD.	1	C38								
3	2	C39		Column drive signal output terminal to ICD						
S	3	C40	O	Column drive signal output terminal to ECD.						
6	4	C41								
7	5	C42 / R15								
Row / Column drive signal output terminal to LCD.	6	C43 / R14								
9	7	C44 / R13								
9	8	C45 / R12		Pour / Column drive signal output terminal to ICD						
11	9	C46 / R11		Row / Column drive signal output terminal to ECD.						
12		C47 / R10								
13	11	C48 / R9								
14 R14/R6 15 R13/R5 16 R12/R4 17 R11/R3 18 R10/R2 19 R9/R1 20 R8/R0 21 VLC5 I Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. 22 VLC1 Open. 24 VLC4 25 VLC2 I Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. 7 DO/SI I/O 4 bit parallel data and serial data input terminal. 28 V _{SS} — GND short. 30 NC — Open. 31 NC — Open. 32 BUSY O Busy signal output terminal. 33 V _{DD} — Positive power supply terminal.	12	C49 / R8								
15 R13 / R5 16 R12 / R4 17 R11 / R3 18 R10 / R2 19 R9 / R1 20 R8 / R0 21 VLC5 21 VLC1 22 VLC1 23 NC — Open. 24 VLC4 25 VLC2 26 VLC3 7 DO / SI 7 DO / SI 7 DO / SI 28 V _{SS} 29 V _{SS} 30 NC 31 NC 31 NC 32 BUSY	13	R15 / R7								
16 R12/R4 17 R11/R3 18 R10/R2 19 R9/R1 20 R8/R0 21 VLC5 21 VLC1 23 NC — Open. 24 VLC4 25 VLC3 7 DO/SI 7 DO/SI 7 DO/SI 28 V _{SS} 29 V _{SS} 30 NC 31 NC 31 NC 32 BUSY 7 O Busy signal output terminal. 33 V _{DD} Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD.	14	R14 / R6	0							
17 R11/R3 18 R10/R2 19 R9/R1 20 R8/R0 21 VLC5 21 VLC5 22 VLC1 23 NC — Open. 24 VLC4 25 VLC2 26 VLC3 7 DO/SI 7 DO/SI 7 DO/SI 8 VS 7 GND short. 28 VS 7 GND short. 29 BUSY 10 Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD.	15	R13 / R5								
17 R11/R3 18 R10/R2 19 R9/R1 20 R8/R0 21 VLC5 21 VLC5 22 VLC1 23 NC — Open. 24 VLC4 25 VLC2 26 VLC3 7 DO/SI 27 DO/SI 28 VSS — GND short. CND GREERING TO Busy signal output terminal. CND COPEN. C	16	R12 / R4		Row drive signal output terminal to LCD						
19 R9/R1 20 R8/R0 21 VLC5 21 VLC5 22 VLC1 23 NC — Open. 24 VLC4 25 VLC2 26 VLC3 7 DO/SI 7 DO/SI 7 DO/SI 8 I/O 9 A bit parallel data and serial data input terminal. 28 Vss 29 Vss 30 NC — Open. 31 NC — Open. 31 NC — Open. 32 BUSY 9 O Busy signal output terminal. 33 VDD — Positive power supply terminal.	17	R11 / R3		now arive signal output terminal to LCD.						
20 R8/R0 21 VLC5 Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. 22 VLC1 Open. 23 NC	18	R10 / R2	1							
Reference voltage input terminal to decide voltage level for Row / Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row / Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row / Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row / Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row / Column drive signal to LCD. VLC3	19	R9 / R1	1							
VIC1 drive signal to LCD.	20	R8 / R0	1							
VLC1 Grive signal to LCD.	21	VLC5		Reference voltage input terminal to decide voltage level for Row / Column						
24 VLC4 25 VLC2 26 VLC3 7 DO / SI 28 V _{SS} 29 V _{SS} 30 NC 31 NC 32 BUSY O Busy signal output terminal. Period of the power supply terminal. Period of the power supply terminal. Period of the power supply terminal. Reference voltage input terminal to decide voltage level for Row / Column drive signal to LCD. Reference voltage input terminal to decide voltage level for Row / Column drive signal to LCD. Poper. GND short. Open. Positive power supply terminal.	22	VLC1	1 '	drive signal to LCD.						
25 VLC2 1 Reference voltage input terminal to decide voltage level for Row/Column drive signal to LCD. 7 DO/SI 1/O 4 bit parallel data and serial data input terminal. 28 V _{SS} — GND short. 30 NC — Open. 31 BUSY O Busy signal output terminal. 32 BUSY O Positive power supply terminal.	23	NC	_	Open.						
VIC2	24	VLC4								
26 VLC3 7 DO / SI I / O 4 bit parallel data and serial data input terminal. 28 V _{SS} — GND short. 30 NC — Open. 31 NC — Open. 32 BUSY O Busy signal output terminal. 33 V _{DD} — Positive power supply terminal.	25	VLC2] 1							
28 V _{SS} — GND short. 30 NC — Open. 31 NC — Open. 32 BUSY O Busy signal output terminal. 33 V _{DD} — Positive power supply terminal.	26	VLC3		dive signal to EED.						
29 V _{SS}	7	DO / SI	1/0	4 bit parallel data and serial data input terminal.						
29	28			CND short						
31 NC — Open. 32 BUSY O Busy signal output terminal. 33 V _{DD} — Positive power supply terminal.	29	V _{SS}		SHOP SHOPE.						
31 32 BUSY O Busy signal output terminal. 33 V _{DD} — Positive power supply terminal.	30	N.C		Onen						
33 V _{DD} — Positive power supply terminal.	31	NC NC								
	32	BUSY	0							
	33	V _{DD}								
	34			GND terminal.						

No.	Symbol	1/0	Terminal Description					
35	STB / SCK		STB / SCK input terminal.					
36	C/D		Command / data input terminal.					
37	Vss	_	GND short.					
39	<u>cs</u>	ı	Chip select signal input terminal.					
40	RESET	1	Reset signal input terminal.					
41	CLOCK	1	Clock signal input terminal.					
42								
43			0					
44	NC	_	Open.					
45								
46	C3							
47	C4							
48	C5		•					
49	C6							
50	C7							
51	C8							
52	C9							
53	C10							
54	C11							
55	C12							
56	C13	1						
57	C14							
58	C15							
59	C16							
60	C17							
61	C18	0	Column drive signal output terminal to LCD.					
62	C19	!						
63	C20							
64	C21							
65	C22							
66	C23	I						
67	C24							
68	C25	ļ						
69	C26	1						
70	C27	1						
71	C28	1						
72	C29	4						
73	C30	1						
74	C31	1						
75	C32	4						
76	C33	4						
77	C34	4						
78	C35	4						
79	C36	4						
80	C37							

55433W08 (IC501)

No.	Symbol	1/0	Terminal Description
1	RESET	1	System reset input terminal.
2	X1	0	Ceramic element connection terming for system clock OSC (8MHz).
3	X2	ı	Ceramic element connection terming for system clock osc (owner).

55433W08 (IC501)

55433W08 (IC501)						
No.	Symbol	1/0	Terminal Description			
4 5	V _{cc}		Positive power supply terminal.			
6	NMI	ı	Battery / ACC detection terminal.			
7 8	V _{cc}		Positive power supply terminal.			
9	DTS SCK	0	Communication sync signal output terminal to DTS microcomputer.			
10	DTS CMD	0	Serial data output terminal to DTS microcomputer.			
11	DTS STS	- 1	Serial data input terminal from DTS microcomputer.			
12	V _{SS}		GND terminal.			
13	DTS START	0	Command sync signal output terminal to DTS microcomputer.			
14	NC		Open.			
15	DTS STBY	0	Stand by pulse output terminal to DTS microcomputer.			
16	DTS MUTE		Audio mute signal input terminal from DTS microcomputer.			
17	DTS CE	0	Standby control terminal to DTS microcomputer.			
18	ACC+5	ı	ACC power supply detection terminal.			
19	BAT+5	1	Battery power supply detection terminal.			
20	O. REM	0	Remote signal output terminal.			
21	EEP DI	1	Serial data input terminal from EEPROM.			
22	EEP DO	0	Serial data output terminal from EEPROM.			
23	NC		Open.			
24	TMR DATA		Timer data input terminal from Timer IC.			
25	TMR OE	0	OE signal output terminal to Timer IC.			
26	TMR CLK	0	CLK signal output terminal to Timer IC.			
27	TMR S2	0	Timer data inclement signal output terminal to Timer IC.			
28	TMR S1	0	Correction girder choice signal output terminal to Timer IC.			
29	ACC+5	ı	ACC power supply detection terminal.			
30	MIC L	1	Low degree signal input terminal.			
31	MIC M	1	Middle degree signal input terminal.			
32	MIC H		High degree signal input terminal.			
33	NOSE ON	1	Front panel detection terminal.			
34	AREA 0	1	Initial setting input terminal.			
35	AREA 1		midal setting input terminal.			
36	LCD CTRT	0	Voltage control terminal to LCD.			
37	M.S.DET	1	Music ON / OFF switching signal input terminal.			
38	AV _{SS}	1	GND short.			
39	O.FAST	0	Gain control signal input terminal from M.S.IC.			
40	MTL	ı	Metal tape detection terminal.			
41	F/R	0	FOR / REV control Terminal to TAPE EQ AMP.			
42	PACK IN	- 1	Switch to detect cassette is installed into cassette holder on not.			
43	TP ALM	0	Alarm output / audio signal switching output terminal.			
44	O.MOTOR	0	Determines start and stop of motor in GR mechanism.			
45	PULL UP	0	Determines rotation direction of motor in GR mechanism.			
46	EJ.SOL	0	Eject solenoid control signal output terminal GR mechanism.			
47	V _{CC}		Positive power supply terminal.			
48	RF.SOL	0	RF solenoid control signal output terminal in GR mechanism.			
49	PLY.SOL	0	Play solenoid control signal output terminal in GR mechanism.			
50	RUN DET	1	Signal showing take-up reel is roating or not.			
51	PACK DN	1	Switch to detect cassette holder is moved down completely.			
52	DOL B	0	Dolby B NR, ON signal output terminal.			
53	DOL C	0	Dolby C NR, ON signal output terminal.			
54	R/T	0	Tape / Radio audio signal switching output terminal.			
55	INT / EXT	0	Inside / Outside audio signal switching output terminal.			

No.	Symbol	1/0	Terminal Description			
56	V _{SS}		GND Terminal.			
57	E.V.CE	0	Standby control terminal to Electric Volume IC.			
58	E.V.CLK	0	Communication sync signal output terminal to Electric Volume IC.			
59	E.V.DATA	0	Serial data output terminal to Electric Volume IC.			
60	PRE MUTE	0	Pre-out audio mute signal output terminal.			
61	NC		Open.			
62	BUS DET	ı	Busline date detection terminal.			
63	BUS RST	0	Reset signal output terminal to Bus IC.			
64	BUS R/W	0	Read / Write signal output terminal to Bus IC.			
65	BUS RS	0	Resister signal output terminal to Bus IC.			
66	BUS STS		Serial data input terminal from Bus IC.			
67	BUS CMD	0	Serial data output terminal to Bus IC.			
68	BUS CLK	0	Communication sync signal output terminal to Bus IC.			
69	IN PAU	1	Pause signal input terminal.			
70	IN INT	1	Interrupt signal input terminal.			
71	P. ON CONT	0	Power control signal output terminal.			
72	LCD P. ON	0	Power control signal output terminal for LCD back light.			
73	V _{SS}	_	GND Terminal.			
74	NOSE PON	0	Power control signal output terminal for Display microcomputer and driver.			
75	CONT RST	0	Reset control signal output terminal to Display microcomputer.			
76	NC		Open.			
77	CONT STR	0	Command sync signal output terminal to Display microcomputer.			
78	CONT STS	0	Serial data output terminal to Display microcomputer.			
79	CONT CMD	1	Serial data input terminal to Display microcomputer.			
80	CONT SCK	0	Communication sync signal output terminal to Display microcomputer.			

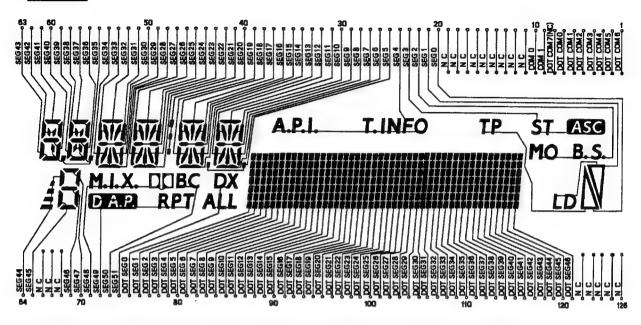
45258W02 (IC504)

	10000							
No.	Symbol	1/0	Terminal Description					
1	CE1	0	CE1 control terminal for S · RAM.					
2	NC	_	Open.					
3	DTS MUTE	0	Audio mute output terminal.					
4	7073 RESET	0	Control the reset for LC7073M.					
5	50KREF	0	High output when REF frequency becomes 50kHz in FM mode.					
6	RESET	1	System reset input terminal.					
7	X2	_	Output terminal for system clock OSC.					
8	X1		Output terminal for system clock OSC.					
9	V _{SS}	_	GND terminal for device.					
10	CE2	0	CE2 control terminal for S · RAM.					
11								
12	NC NC	_	Open.					
13	110							
14								
15	A10]						
16	A9		Input / Output terminal for S · RAM address signal.					
17	A8							
18	AD7	_						
19	AD6	1						
20	AD5	1/0	Input / Output terminal for S. RAM address signal.					
21	AD4] ''Ŭ	inher archar couling on a train against all and					
22	AD3	_						
23	AD2							
24	V _{SS}		GND terminal for device.					

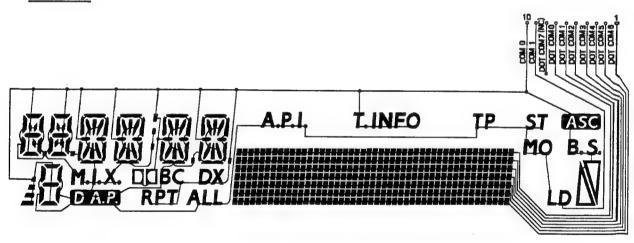
No.	Symbol	1/0	Terminal Description				
25 25	AD1 AD0	1/0	Input / Output terminal for S·RAM address signal.				
27	LE	0	LE control terminal for latch.				
28	DTS STB	_	Return from standby to DTS.				
29	RDS CLK	i	Communication data sync signal input terminal from LC7073M.				
30	RDS START	i	Data sync signal input terminal from LC7073M.				
31	RDS DATA	<u>-</u> _	Serial data input terminal from LC7073M.				
32	PLL DATA IN	i	PLL data input terminal.				
33	PULL UP		Pull up terminal.				
34	DTS START	ı	Command sync signal input from main microcomputer.				
35	DTS CMD	1	Serial data input terminal from main microcomputer.				
36	V _{SS}		GND short.				
37	NC VSS		Open.				
38	DTS CLOCK		Communication data sync signal input terminal from Main microcomputer.				
39	DTS STATUS	0	Serial data output terminal to main microcomputer.				
40	D13 31A103						
41	V_{CC}	_	Power supply terminal for device.				
42	AV _{SS}	-	GND terminal for A/D converter.				
43	AV _{REF}		Reference Voltage input terminal for A/D converter.				
44	ST		Stereo signal input terminal.				
45	PULL UP		Pull up terminal.				
46	PULL UP		Pull up terminal.				
47	MULTIPATH		Port detects multipath interference of station.				
48	ADJON		Port detects multipath interference of station.				
49	S.METER		Signal meter input terminal.				
50	PULL UP	_	Pull up terminal.				
51	PULL DOWN	_	Pull down terminal.				
52	PLL CLOCK	0	Communication data sync signal output terminal.				
53	PLL DATA	0	Serial data output terminal.				
54	LPE SW	0	LPF time constant switching terminal to obtain fast response in AF search and FM seek operation.				
55	IF MUTE	0	Mute output terminal to prevent shock noises in AF search operation.				
56	PLL CE	0	Data communication control signal output terminal.				
57	NC NC	1 =	Open.				
58	LW	0	LW band selection terminal.				
59	FM / AM	0	FM / AM (MW / LW) bands selection terminal.				
60	LOCAL / DX	0	SEEK sensitivity switch control output terminal.				
61	MONO	0	Stereo / Mono switch control output terminal.				
62	DTS CE	Ť	Terminal to make DTS in standby status.				
63	SD	 	Station detector signal input terminal for FM / AM.				
03	WR	0	F-RAM WE control signal.				

LCD Display

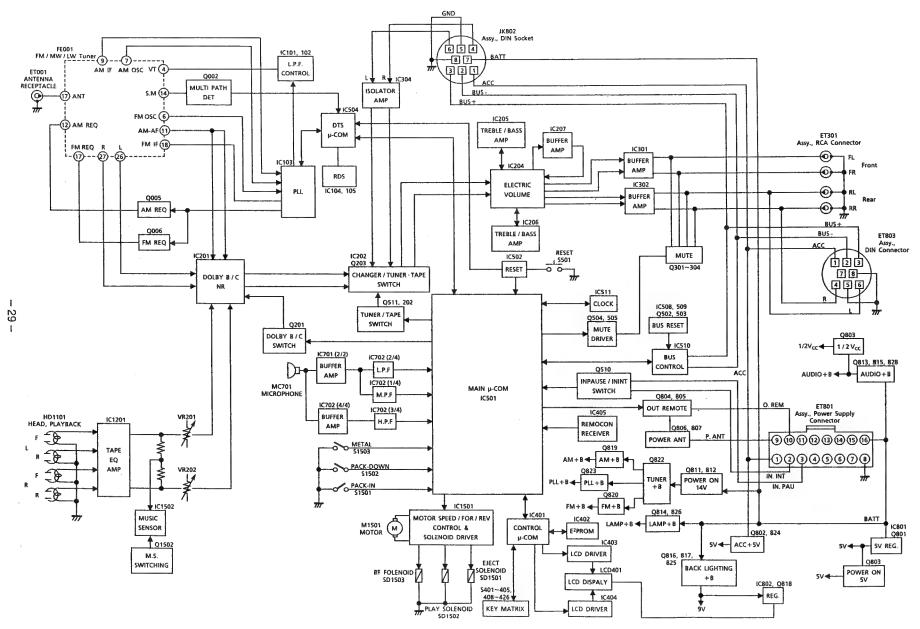
SEGMENT



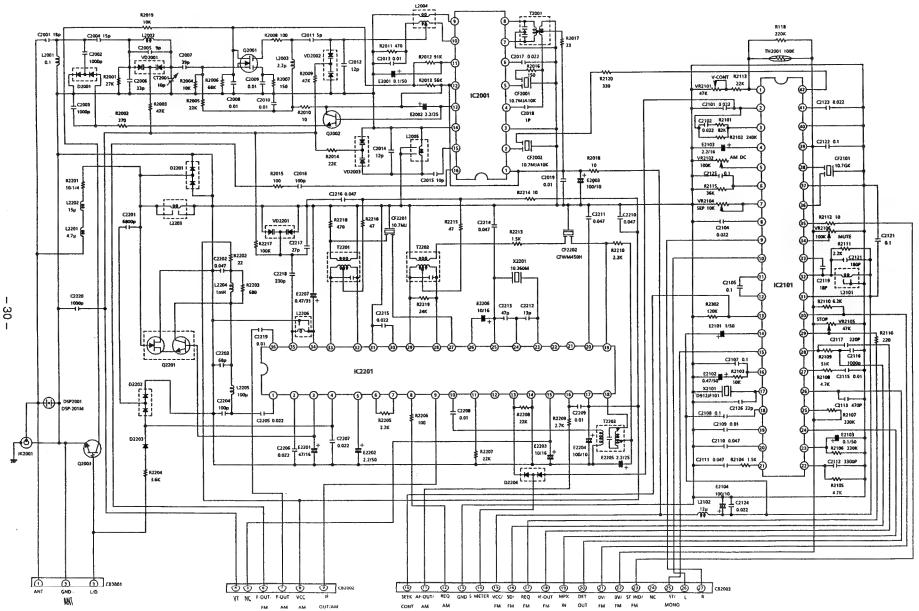
COMMON



Block Diagram

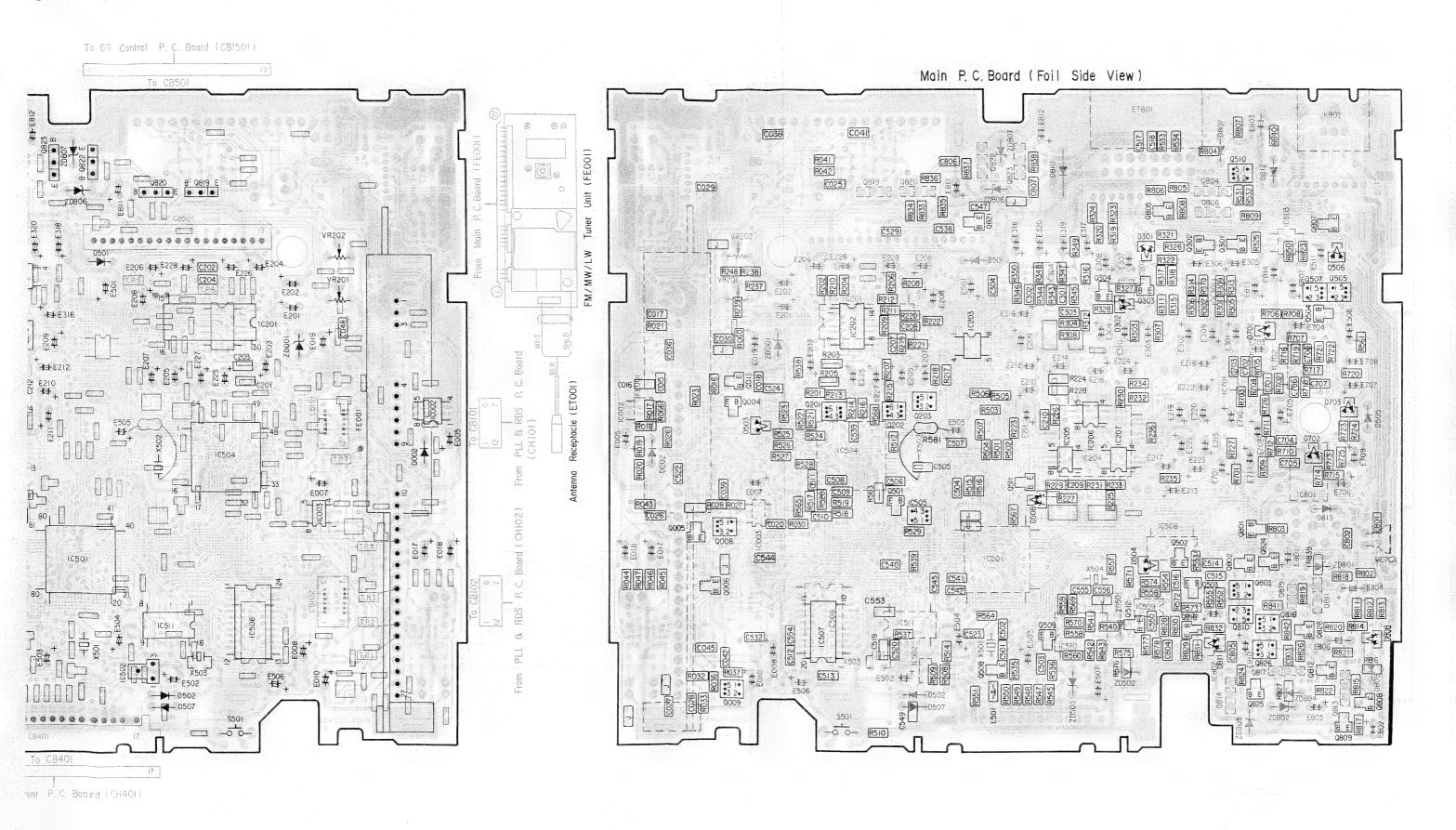


Tuner Schematic Diagram



Parts Layout on P.C. Boards and Wiring Diagram (1/2) To GR Control P. C. Board (CBI501) Main P. C. Board (Component Side View) From Front P.C. Board (CH401) **F** -32-

ıgram (1/2)



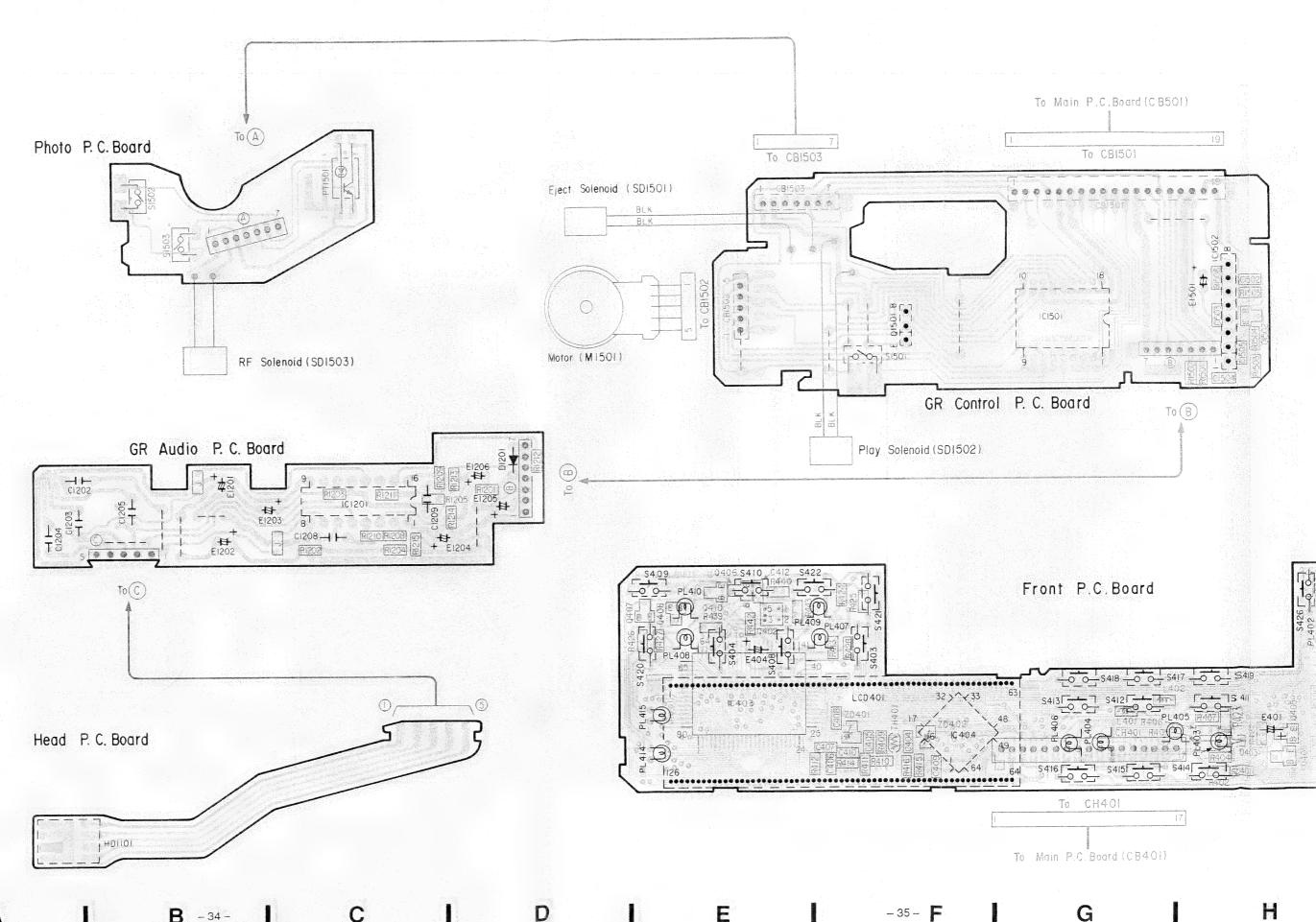
Orange Color Pattern: Component Side Pattern Blue Color Pattern : Foil Side Pattern - 33 -

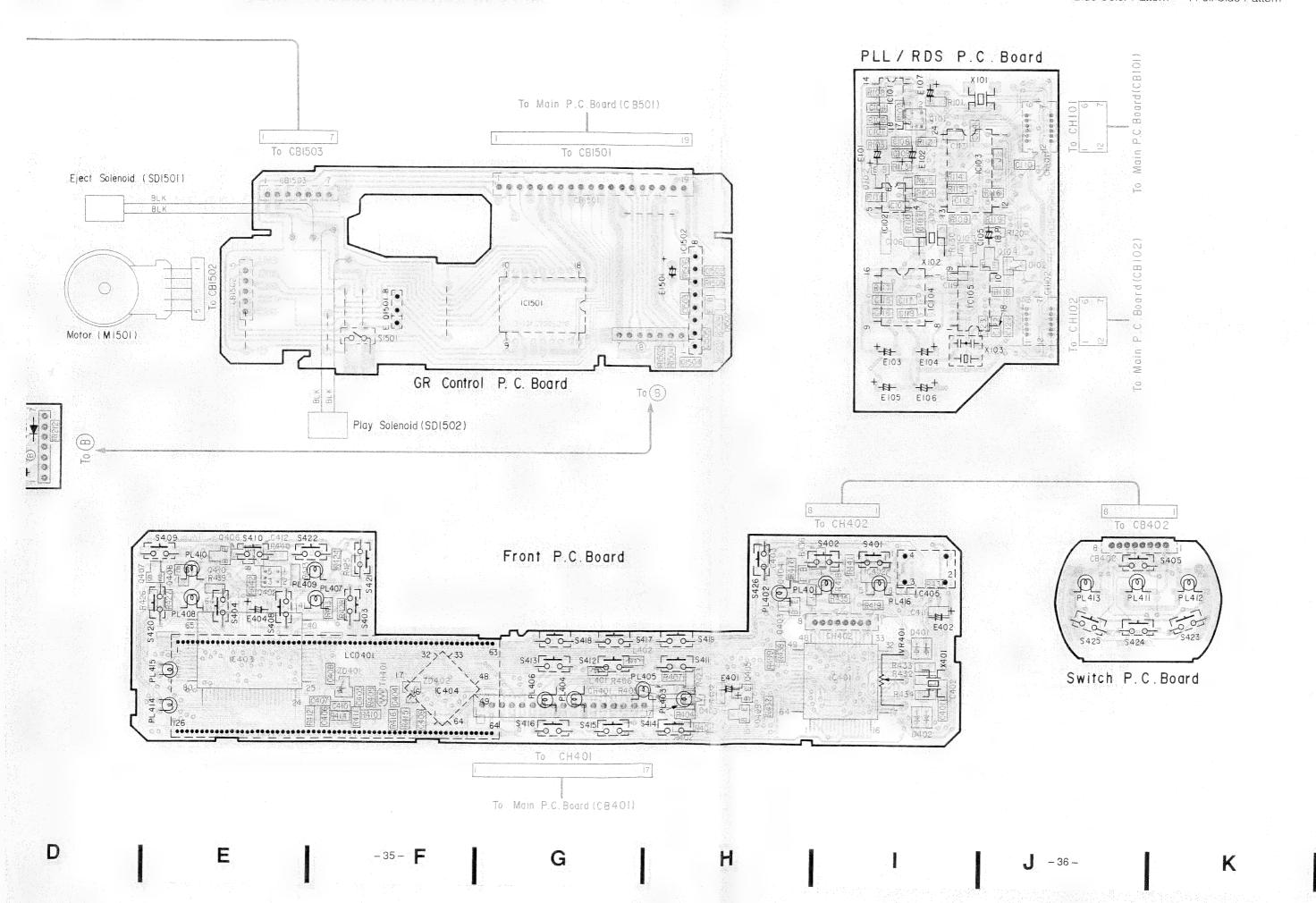
- 32 -

3

4

5

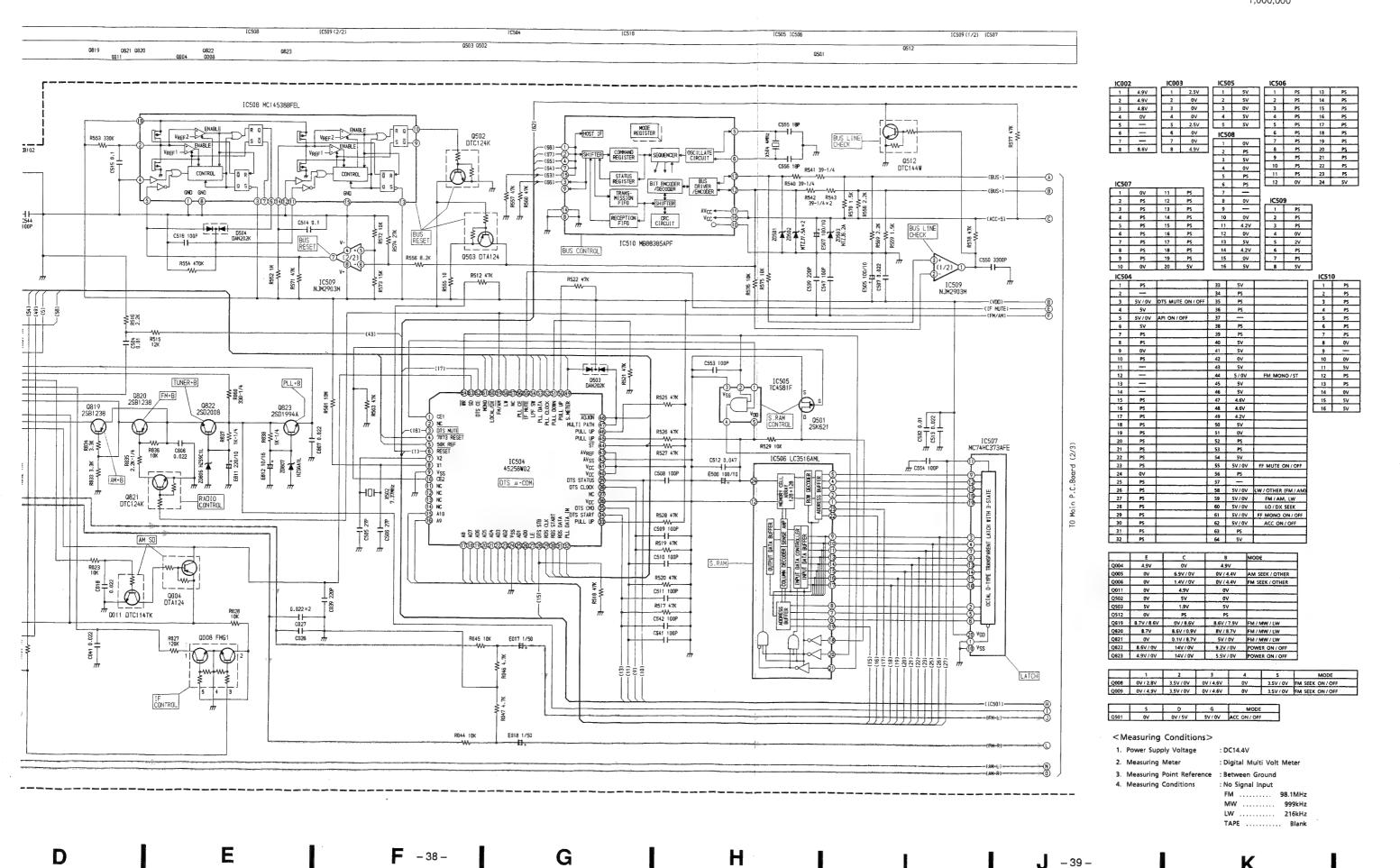




Schematic Diagram (1/5) 9823 Main P.C.Board (1/3) IC508 MC14538BFEL ET001 3 CS22 0.01 R527 47K C508 100P H□H 8€ CS05 27P R026 10K C511 100P R517 47K C542 100P C541 100P 0.022×2 C027 C028 -5 H

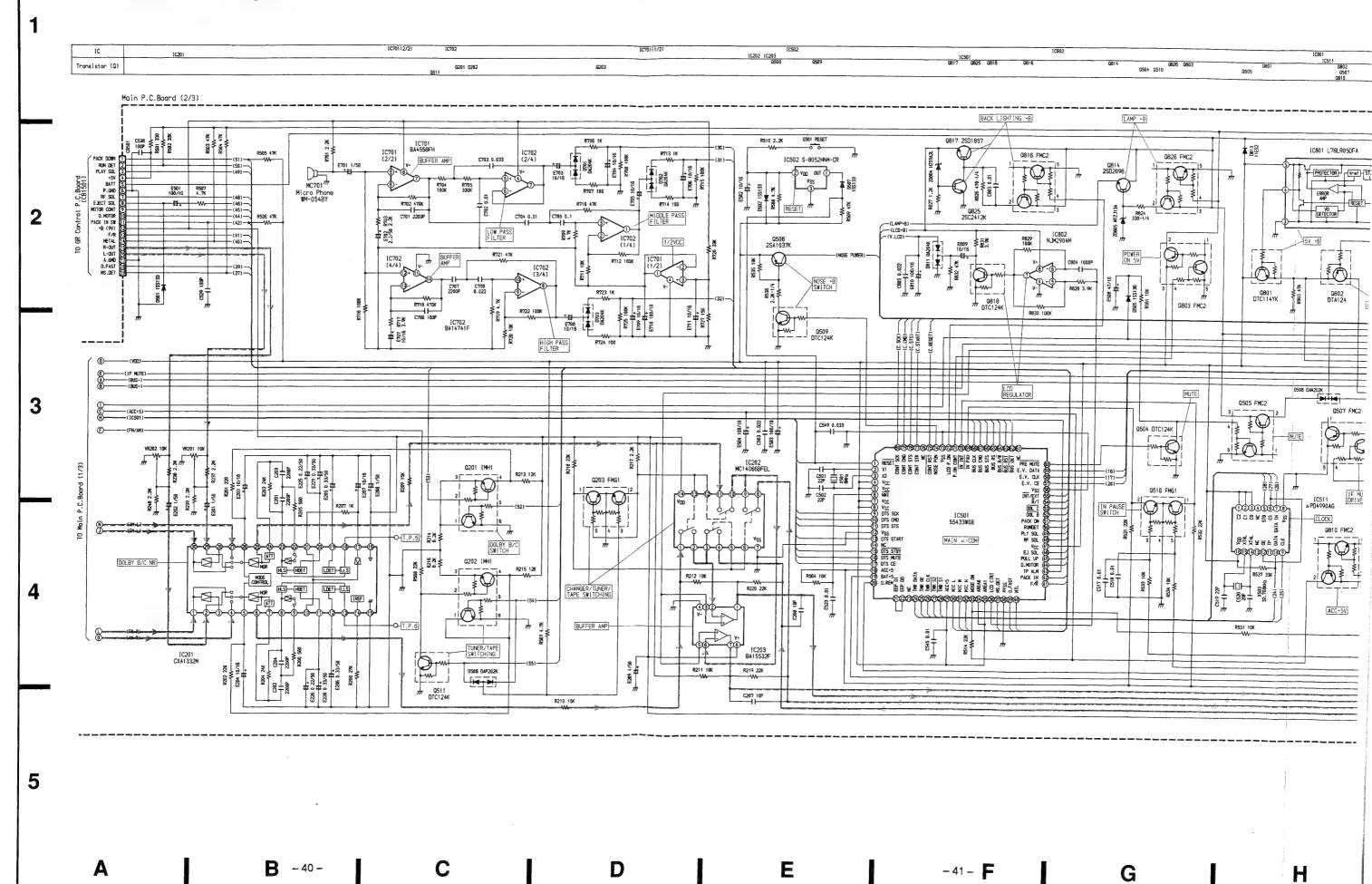
NOTES:

- 1. All resistance values are in ohms. K = 1,000
- 1. All resistance values are in microfarads. $P = \frac{1}{1,000,000}$



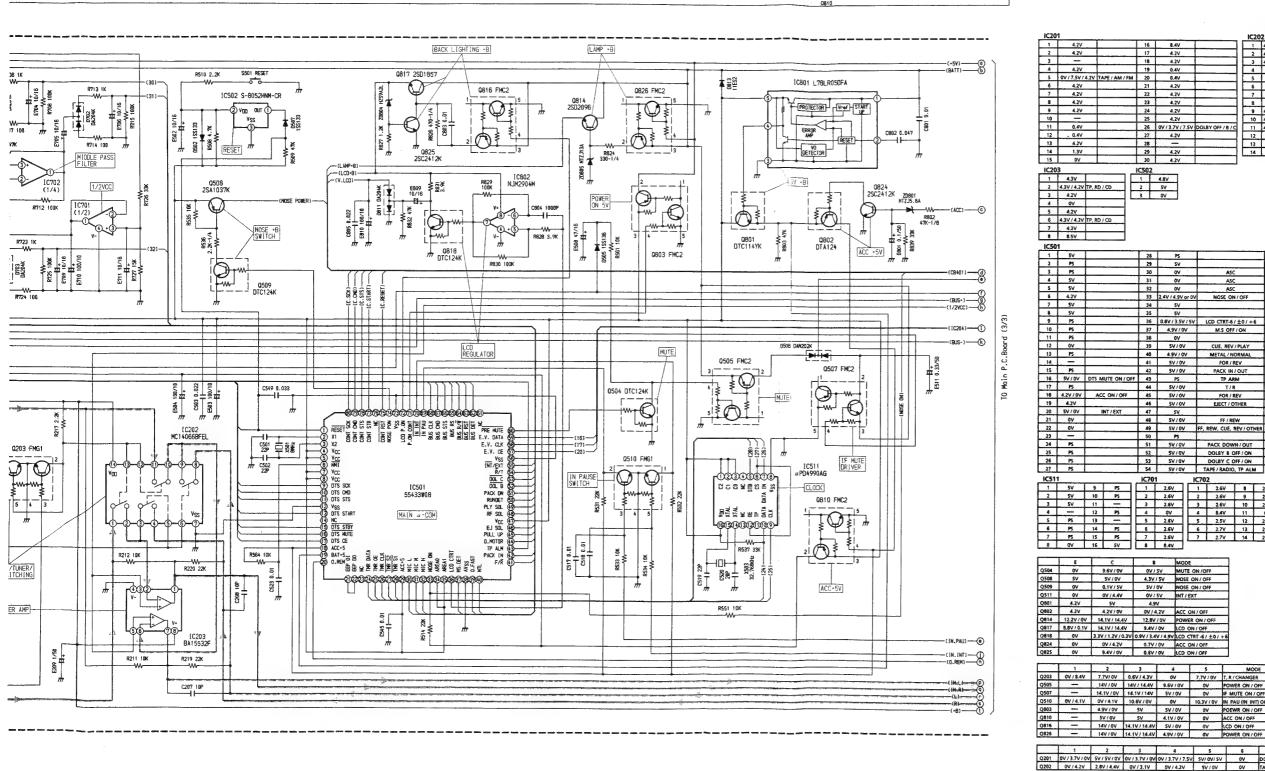
TDA-7638F

Schematic Diagram (2/5)



NOTES:

- 1. All resistance values are in ohms. K = 1,000
- 2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$



20°	1					IC202				
\Box	4.2V	1	16	8.4V		1	4.3V / 4.2	TP, RADI		
	4.2V		17	4.2V 4.2V				TP, RADE		
_	4.2V		19	0.4V		4	4.2V			
-	4.2V	TAPE / AM / FM	20	6.4V 4.2V				V TP, RADI		
_	4.2V		22	4.2V		7	0٧			
-	4.2V 4.2V	+	23	4.2V 4.2V		8 9	4.2V 4.3V / 4.2	ZV TP, RADI	D/CD	
0	_		25	4.2V		10	4.3V / 4.2	V TP, RADI	0/CD	
12	0.4V . 0.4V	+	26	4.2V	DOLBY OFF / B / C			V TP, RADI		
3	4.2V		28	_		13	7.7V / 0	V TP, RADI		
5	1.3V 0V	+	30	4.2V 4.2V		14	8.5V			
20	3		IC502							
Н	4.3V / 4.2V TI	P PD / CD	2	4.8V 5V						
	4.2V	, KD/CO	3	07						
_	0V 4.2V									
	4.3V / 4.2V TF	P, RD / CD								
_	4.3V									
50	8.5V									
	SV		28	PS			55	0V / 5V	INT / EXT, TP ALM	
Н	PS PS		30	SV OV	ASC		56 57	OV PS	 	
	5V		31	٥٧	ASC		58	PS PS		
Н	5V 4.2V		32	2.4V / 4.9V or 0\	ASC NOSE ON	OFF	59 60	PS 0V / SV	PRE MUTE ON / OFF	
	5V		34	5V	NOSC OIL	OIT.	61	-	PRE MOTE ON 7 OFF	
Н	5V PS		35	5V 0.8V / 3.5V / 5V	LCD CTRT-6/	+01+6	62	P5 5V		
0	PS		37	4.9V / OV	M.S OFF		64	PS PS		
1	PS OV		38	5V / 0V	CUE, REV /	DIAY	65 66	PS PS		
3	PS		40	4.9V / OV	METAL/NO		67	PS		
-	<u>-</u>		41	5V / 0V 5V / 0V	PACK IN /		68 69	PS 0V / 4.1V	IN PAU ON/OFF	
5	5V / 0V D	OTS MUTE ON / OF	43	PS	TP ARA		70	0V/4.1V	IN INT ON / OFF	
-	PS 4.2V / 0V	ACC ON / OFF	44	5V / OV	T/R FOR/RE	v	71 72	5V / 0V	POWER ON / OFF	
Д	4.2V		46	\$V/QV	EJECT / OT		73	σν	SCO GRIGIT	
4	5V / 0V	INT / EXT	47	5V 5V / 0V	FF / REV	v	74 75	5V / 6V	NOSE POWER ON / OFF	
ӵ	٥v		49	5V / 0V	FF, REW, CUE, RI		76			
1	- B		50 51	PS	PACK DOWN	/OUT	77	PS PS		
	PS		52	5V/0V	DOLSY B OF	F/ON	79	PS		
	PS PS		53 54	5V / 0V	DOUBY C OF TAPE / RADIO,		80	PS		
511			IC701		C702			IC801	IC802	
\dashv	5V 5V	9 PS	1 2	2.6V	1 2.6V 2 2.6V		2.6V	1 2	14V 1 — 5.7V 2 —	
4	5V	11 —	3	2.6V	3 2.6V	10 2	2.6V	3	ov 3 —	
┪		12 PS	5	2.6V	4 8.4V 5 2.5V		0V 2.6V	5	4.9V 4 0V 5V 5 3.5V	
	PS	14 PS	6	2.6V	6 2.7V	13 2	2.6V		6 3.4V	
1	PS OV	15 PS 16 SV	7 8	2.6V 8.4V	7 2.7V	14 2	2.6V		7 3.4V 8 8.8V	
_										
4	E 0V	9.6V / OV	0V /		N /OFF					
8	5V 0V	5V / 0V 0.1V / 5V	4.3V	SV NOSE O	N / OFF					
1	0V	0V / 4.4V	0V /	SV INT/EX						
1	4.2V 4.2V	5V 4.2V / 0V	4.9 0V / 4		/ OFF					
4	12.2V / 0V	14.1V / 14.4V	12.8V	/OV POWER	ON / OFF					
7 8	8.8V / 0.1V	14.1V / 14.4V 3.3V / 1.2V / 0.3V	9.4V		/ OFF T-6/±0/+6					
4	ov	0V / 4.2V	0.7V	OV ACC ON	/ OFF					
5	OV	9.4V / OV	0.67	OV LCD ON	/ OFF					
	1	2	3	4	5	MODE] <n< th=""><th>Measuring Conditions</th><th>></th></n<>	Measuring Conditions	>
3	0V / 8.4V		V / 14.4V	9.6V / 0V		HANGER R ON / OFF		_	Power Supply Voltage	: DC14.4V
7		14.1V / 0V 14.	1V / 14V	5V / 0V	OV #F MU	TE ON / OF		1	Measuring Meter	
3	0V / 4.1V	0V / 4.1V 10 4.9V / 0V	5V / 0V	5V / 0V		I (IN INT) O	N / OFF	-	Measuring Point Reference	: Digital Multi Volt Meter : Between Ground
0		5V / QV	5V	4.1V / 0V	OV ACC O	N / OFF		7	Measuring Conditions	: No Signal Input
6	_=		V / 14.4V	5V / 0V 4.9V / 0V		N / OFF		1	=	FM 98.1MHz
_										MW 999kHz
1		5V/5V/0V 0V/	3 3.7V / QV	4 0V / 3.7V / 7.5V	5 5V/ QV/ 5V		OLBY OF			LW 216kHz TAPE Blank
2	0V / 4.2V	2.8V / 4.4V 0	//3.1V	0V / 4.2V	5V / 0V	OV T	APE / RAI	010		

IC501 0817 0825 0818

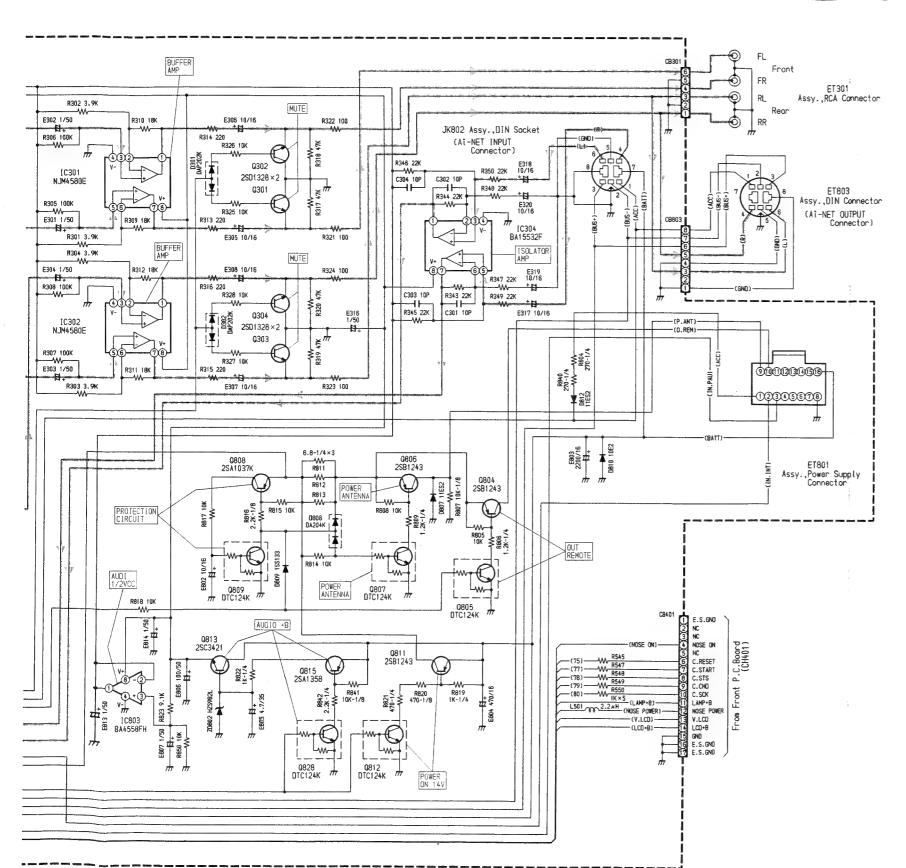
Schematic Diagram (3/5) Transistor (Q) Main P.C.Board (3/3) ---(IN.E)-----(IN.R)----(1/2VCC)-ET301 Assy.,RCA Connector R306 100K JK802 Assy.,DIN Socket (Ai-NET INPUT Connector) 1C205 (1/2) [C301 NJM4580E C302 10P R344 22K 2SD1328×2 R348 22K 2 ET803 Assy.,DIN Connector R305 100K (Ai-NET OUTPUT Connector) R301 3.9K E304 1/50 C303 10P R343 22K R349 22K ---(P.ANT)-------(O.REM)---EC302 NJM4580E 2SD1328×2 0303 R307 100K E303 1/50 R236 47K R303 3.9K 02303670 3 E210 10/16 E218 0.47/50 ET801 Assy.,Power Supply Connector 0805 DTC124K NC C.RESET C.START C.STS C.CMD C.SCK LAMP+B NOSE POWER V.LCD BGND E.S.GND E.S.GND (78) W_RS49 -(79) W_rRS50 -(80) W_rRS50 -(80) W_rK×5 -(NOSE POWER) --(V.LCD) BUFFER AMP 1 C803 BA4558FH 0812 DTC124K /// D Н

NOTES:

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

IC301 IC302



Switch P.C.Board	
From Front P. C. Board (CH402) (CH402)	EL413 FL412 6V-70aA 6V-70aA

IC204	•				
1	3.8V	17	PS	33	4.2V
2	4.2V	18	_	34	
3		19		35	4.2V
4	4.2V	20	PS	36	4.2V
5	4.2V	21	4.9∨	37	4.2V
6	4.2V	22	. 0V	38	4.2V
7	_	23	4.2V	39	4.2V
8	4.2V	24	4.2V	40	4.2V
9	4.2V	25	4.2V	41	
10	4.2V	26	4.2V	42	8.3V
11	4.2V	27	4.2V	43	8.4V
12	4.2V	28	4.2V	44	_
13	4.2V	29	4.2V	45	4.2V
14	4.2V	30		46	4.2V
15	0V	31	4.2V	47	4.2V
16	PS	32	4.2V	48	4.2V

C205		IC20	IC206		IC207	
1	4.2V	1	4.2V	1	4.4V	1
2	4.2V	2	4.2V	2	4.4V	1
3	4.2V	3	4.2V	3	3.7V	1
4	0V	4	٥٧	4	ov	1
5	4.2V	5	4.2V	5	3.7V	1
6	4.2V	6	4.2V	6	4.4V	1
7	4.2V	7	4.2V	7	4.4V	1
8	8.4V	8	8.4V	8	8.4V	1

IC301,	302, 304	IC80	3
1	4.3V	1	4.2V
2	4.2V	2	4.2V
3	4.2V	3	4.2V
4	0V	4	٥٧
5	4.2V	5	_
6	4.2V	6	_
7	4.3V	. 7	_
8	8.4V	8	8.9V

	E	c	В	MODE
Q301	0V	0V	0.7V / 0V	MUTE ON/OFF
Q302	0V	٥v	0.7V / 0V	MUTE ON / OFF
Q303	0V	0V	0.7V / 0V	MUTE ON / OFF
Q304	0V	. ov	0.7V / 0V	MUTE ON/OFF
Q804	13.9V / 14V	13.9V / 0V	13.3V / 14V	INT / EXT
Q805	0V	0.1V / 14V	3.7V / 0V	INT / EXT
Q806	14V / 0V	14V / 0V	13.4V / 0V	POWER ON / OFF
Q807	0V	0.1V / 0V	9.8V / 0V	POWER ON / OFF
Q808	14.1V	ov	14V	
Q809	0V	14V	0∨	
Q811	14.1V / 14.4V	14V / 0V	13.4V / 14V	POWER ON / OFF
Q812	ov	0.1V / 14.4V	4.9V / 0.1V	POWER ON / OFF
Q813	8.2V / 0V	14.1V / 14.4V	8.9V / 0V	POWER ON / OFF
Q815	14.1V / 14.4V	14.1V /0V	14.4V	POWER ON / OFF
Q828	ov I	0.1V / 14,4V	4.9V / 0V	POWER ON / OFF

<Measuring Conditions>

1. Power Supply Voltage : DC14.4V

2. Measuring Meter : Digital Multi Volt Meter

3. Measuring Point Reference : Between Ground 4. Measuring Conditions : No Signal Input

FM 98.1MHz

MW 999kHz LW 216kHz TAPE Blank

D

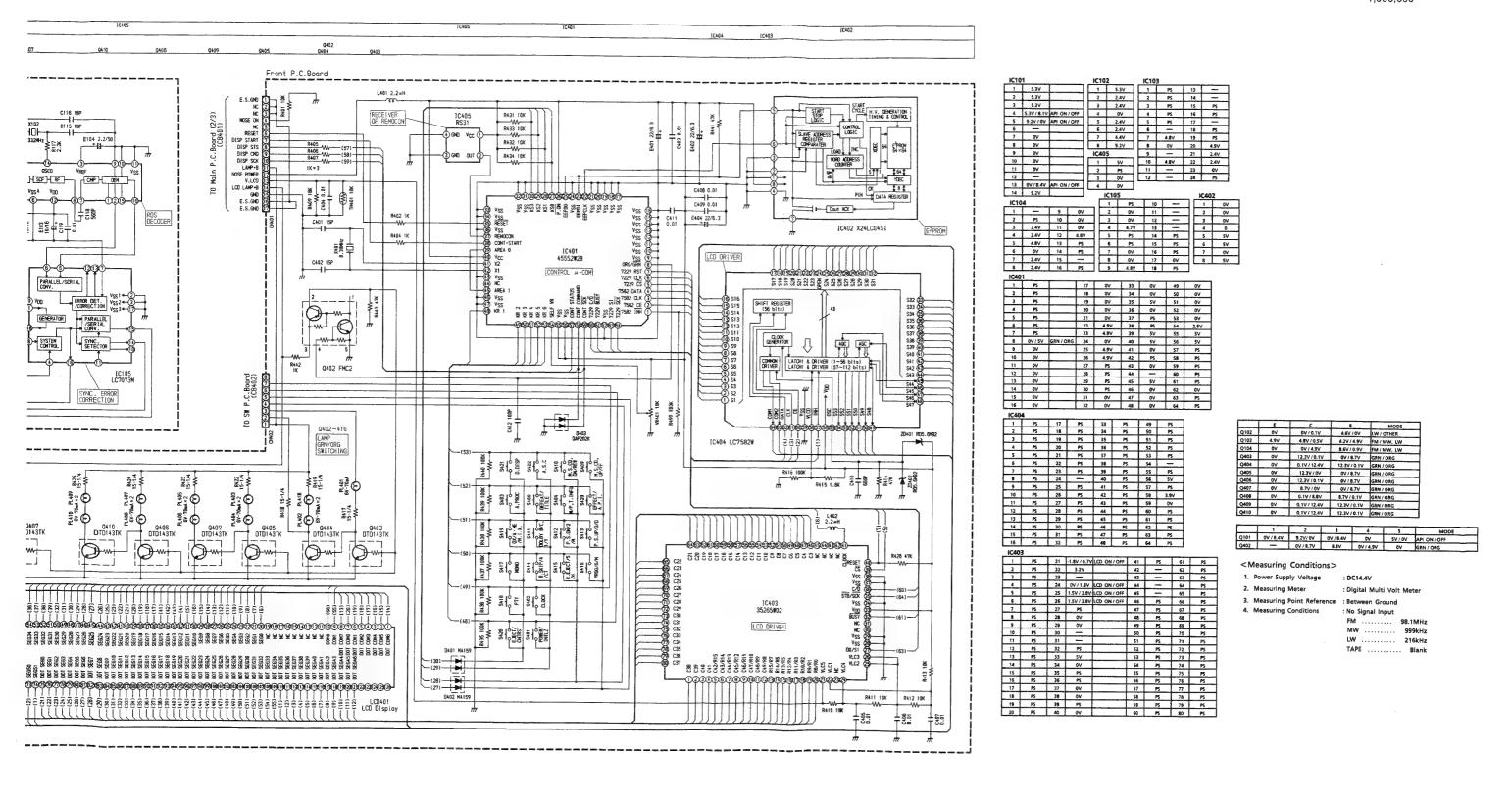
F -44-

G

J -45-

NOTES:

- 1. All resistance values are in ohms. K = 1,000
- 2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$



G

TDA-7638R TDA-7638R

Schematic Diagram (5/5)

SD1501 EJECT SOLENOID

В

– 49 –

\$01503

\$1503

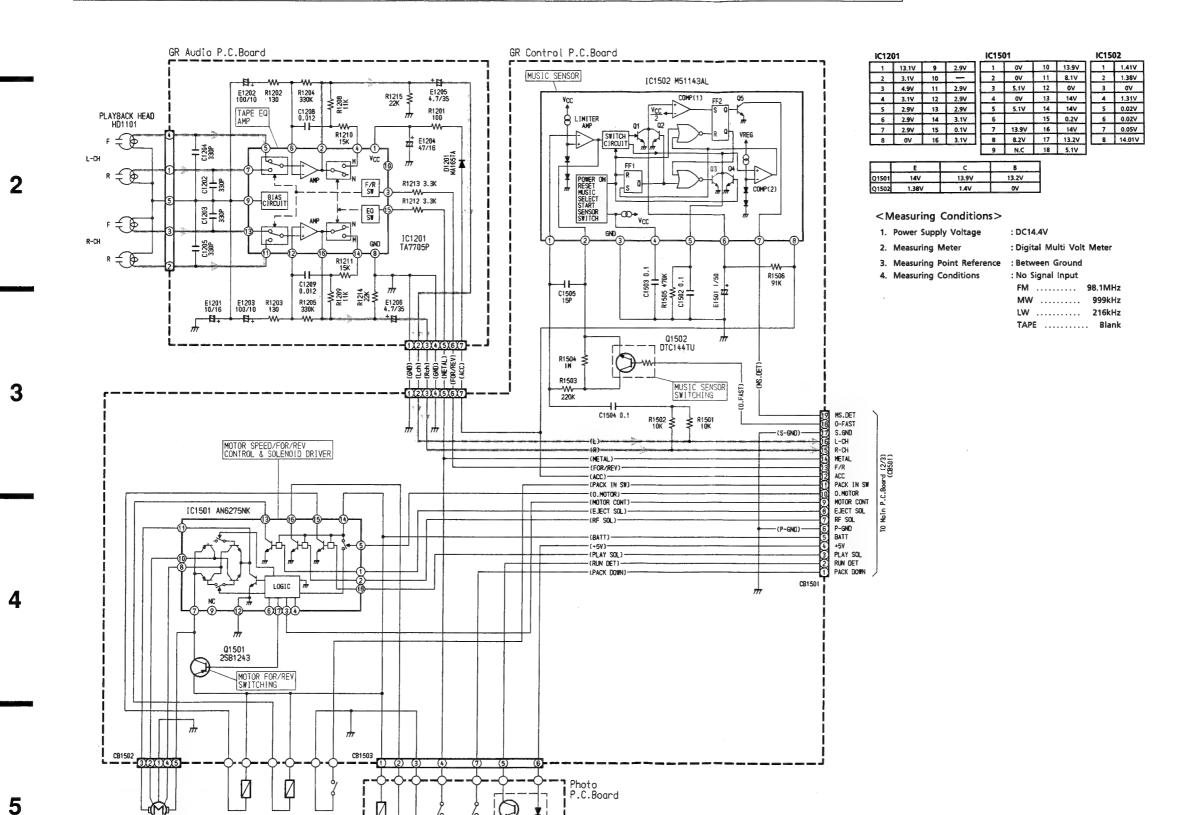
S1502

IC	IC1501	101201	IC1502	
Transistor (Q)	Q1501		Q1502	

NOTES:

F -50 -

- 1. All resistance values are in ohms. K = 1,000
- 2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$



Electrical Parts List

Resistor: Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor: µF=microfarads, pF=picofarads

		Capacitor	: µF=micro	farads, pF=pico	orarads
	Δhh	reviations	Symbol		
RES =	Resistor	CAP.= Capacitor	No.	Part No.	Description
	Carbon Film	ELY.= Electrolytic			
	Metal Film	CER.= Ceramic	Trans	istors	
	Metal Oxide Fil				
	Metal Plate	TAN.= Tantalum	Q004	48T62966F03	CP., DTA124
	Transistor	POLY.= Polystyrol	Q005	48T62967F03	CP., DTC124K
	Transformer	PP. = Polypropylene	Q006	48T62967F03	CP., DTC124K
CP.=	Chip	PLT.= Polyethylene PF.= Polyester Film	Q008	48T73888F08	CP., FMG1
		Pr Polyester Film	Q009	48T73888F08	CP., FMG1
Symbol No.	Part No.	Description	Q011	48T62967F09	CP., DTC114TK
140.			Q201	48T94471F03	CP., IMH1
	Malin	D. C. Boond	Q202	48T94471F03	CP., IMH1
1	Main	P. C. Board	Q203	48T73888F08	CP., FMG1
10'-			Q301	48T63788F04	CP., 2SD1328
IC's					
IC002	51T65379F12	BA4558F	Q302	48T63788F04	CP., 2SD1328
or	51T65379F22	XRA4558FH	Q303	48T63788F04	CP., 2SD1328
IC003	51T55352W02	TC4W66F	Q304	48T63788F04	CP., 2SD1328
IC201	51T25767W02	CXA1332M	Q501	48T80674F01	FET, CP. 2SK621
IC202	51T40941U02	MC14066BFEL	Q502	48T62967F03	CP., DTC124K
IC203	51T25154W21	XRA15532F	Q503	48T62966F03	CP., DTA124
or	51T25154W11	BA15532F	Q504	48T62967F03	CP., DTC124K
IC204	51T72016F02	LC7537AN	Q505	48T73888F12	CP., FMC2
IC205	51T25576W04	NJM4580E	Q507	48T73888F12	CP., FMC2
IC206	51T25576W04		Q508	48T63420F01	CP., 2SA1037K
,,,,,					
IC207	51T25576W04	NJM4580E	Q509	48T62967F03	CP., DTC124K
IC301	51T25576W04		Q510	48T73888F08	CP., FMG1
IC302	51T25576W04		0511	48T62967F03	CP., DTC124K
IC304	51T25154W11		Q512	48T62967F08	CP., DTC144W
or	51T25154W21		Q801	48T62967F06	CP., DTC114YK
Ŭ.	311231341121	74.0 1.5552.	3		
IC501	51T55433W08	55433W08	Q802	48T62966F03	CP., DTA124
IC502	51T95014F13	5-8052HNM-CR	Q803	48T73888F12	CP., FMC2
IC504	51T45258W02		0804	48T84366F01	2SB1243
1C505	51T93532F04	TS4S81F	Q805	48T62967F03	CP., DTC124K
IC506	51T84723F02	LC3516AML	Q806	48T84366F01	2SB1243
10,500	3110-725102	232.13/2	`		
IC507	51T55640W01	MC74HC373AFE	Q807	48T62967F03	CP., DTC124K
IC508	51T25370W01		Q808	48T63420F01	CP., 2SA1037K
IC509	51T93332F01	NJM2903M	Q809		CP., DTC124K
IC509	51T55070W04		Q810		CP., FMC2
IC510	51T55638W01		Q811	48T84366F01	2SB1243
10311	311330304401	p. 5 /550/19	1		
IC701	51T65379F12	BA4558FH	Q812	48T62967F03	CP., DTC124K
	51T65379F12	XRA4558FH	Q813	48T69176F01	2SC3421
or IC702	51T16239W12		Q814	48T25169W01	
IC702	51T16239W12		Q815	48T69177F01	2SA1358
or 10901	51T15268W03		Q816	48T73888F12	CP., FMC2
IC801	311132000003	L/GENOSDI A	1 30.0		
10002	51T02222501	NJM2904M	Q817	48T55057W01	2SD1857
IC802	51T93333F01		Q818	48T62967F03	CP., DTC124K
IC803	51T65379F12	BA4558FH	Q819	48T84234F03	2SB1238
or	51T65379F22	XRA4558FH	Q820	48T84234F03	2SB1238
		,	Q821	48T62967F03	CP., DTC124K
	1	<u> </u>	Q021	7010230/103	3, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,
	1		Q822	48T15289W03	2SD2008
			Q823	48T93828F01	2SD1994A
1		ļ	4023	70133320101	
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Symbol No.	Part No.	Description	Symbol No.	Part No.		Description
Q824	48T63417F01	CP., 2SC2412K	Coil	<u> </u>		
Q825 Q826 Q828	48T63417F01 48T73888F12 48T62967F03	CP., 2SC2412K CP., FMC2 CP., DTC124K	L501	24T16403W19	Inductor,	2.2µH
			Cryst	tals		
Diod	les		X501 X502	91T45118W47 91T45118W44	8MHz 7.3728MH	z
D002 D301 D302 D501 D502	48T68828F11 48T63463F01 48T63463F01 48T68828F11 48T68828F11	1SS133 CP., DAP202K CP., DAP202K 1SS133 1SS133	X503 X504	91T15849W02 91T45118W12	32.768KHz	
D503	48T63462F01	CP., DAN202K	Capa	acitors	I	
D504 D505	48T63462F01 48T70933F11	CP., DAN202K 1SS136	E005	23S61523F25	ELY.,	0.1μF / 50V
D506	48T63462F01	CP., DAN202K	E007	23S61523F25	ELY.,	0.1µF / 50V
D507	48T68828F11	155133	E008	23\$61523F28	ELY.,	0.47µF / 50V
D. F. C. C.	40752452504	CD DADZOZK	E010 C015	23S61523F28 08S65128F69	ELY., CP.,	0.47µF / 50V 0.01µF
D508 D701	48T63463F01 48T64134F01	CP., DAP202K CP., DA204K	COIS	00303120109	CF.,	0.01με
D701	48T64134F01	CP., DA204K	C016	08S65128F35	CP.,	100pF
D702	48T64134F01	CP., DA204K	C017	08S65128F69	CP.,	0.01μF
D807	48T84052F11	11ES2	E017	23T25149W05		1µF / 50V
			C018	08T15399W01	CP.,	0.022µF
D808	48T64134F01	CP., DA204K	E018	23T25149W05	ELY.,	1μF / 50V
D809	48T68828F11	155133	E019	23S61523F34	ELY.,	100µF / 10V
D810	48T81044F01 48T64134F01	10E2 CP., DA204K	C020	08S65128F69	CP.,	0.01μF
D811 D812	48T84052F11	11ES2	C025	08S65128F62	CP.,	2700pF
D012	40104032111	11652	C026	08S65128F68	CP.,	8200pF
D813	48T84052F11	11ES2	C027	08T15399W01	CP.,	0.022µF
ZD001	48T25766W24	Zener, HZS9C1L	11			
ZD501	48T45012W35	Zener, MTZJ7.5A	C028	08T15399W01		0.022µF
ZD502	48T45012W35	Zener, MTZJ7.5A	C029	08S53332F47	CP.,	0.01µF
ZD503	48T45012W29	Zener, MTZJ6.2A	C030	08S65128F69	CP.,	0.01µF
			C036	08S65128F35	CP.,	100pF 100pF
ZD801		Zener, MTZJ5.6A	C038	08S65128F35	CP.,	100рг
ZD802 ZD804		Zener, HZS9B2L Zener, HZS9A2L	C039	08\$65128F43	CP.,	220pF
ZD804 ZD805		Zener, MTZJ13A	C033	08T15399W01	CP.,	0.022µF
ZD803		Zener, HZS9C1L	C042	08S65128F35	CP.,	100pF
			C045	08T15807W05		0.1µF
ZD807	48T25766W01	Zener, HZS6A1L	C046	08S65128F69	CP.,	0.01µF
			C201	08T55401W17	CP.,	2200pF
			E201	23T25149W05	ELY.,	1µF / 50V
			C202	08T55401W17		2200pF
Swit	ch		E202	23T25149W05	,	1µF / 50V
			C203	08T55401W17	CP.,	2200pF
\$501	40T16096W01	Switch Tact, SKHHLW (RESET)	F202	2272514014/00	EIV	10μF / 16V
	1	1 .	E203 C204	23T25149W09 08T55401W17	1	10μF / 16V 2200pF
		1	E204	23T25149W09		2200pF 10μF / 16V
	1	1	E204	23T25149W03	1	0.33μF / 50V
Mic	rophone		E206	23T25149W03	ELY.,	0.33µF / 50V
MC701	50T35317W02	WM-054BY	71		· ·	•
	1	1	11	100003433543	Len	10-5
	i		C207 E207	08S82122F13	CP., ELY.,	10pF 10µF / 16V

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Symbol No.	Part No.		Description	Symbol No.	Part No.		Description
C208	08582122F13	CP.,	10pF	E501	23S61523F34	ELY.,	100μF / 10V
E208	23T25149W05	ELY	1uF / 50V	C502	08S82122F21	CP.,	22pF
		CP.,	10pF	E502	23S61523F12	ELY.,	10μF / 16V
C209	08S82122F13	1 '		C503	08T15399W01	CP.,	0.022µF
E209	23T25149W05	ELY.,	1μF / 50V			ELY.,	•
C210	08582122F13	CP.,	10pF	E503	23S61523F34	ELT.,	100μF / 10V
E210	23T25149W09	ELY.,	10µF / 16V	C504	08S65128F69	CP.,	0.01µF
C211	08T55401W17	CP.,	2200pF	E504	23S61523F34	ELY.,	100µF / 10V
			10µF / 16V	C505	08582122F23	CP.,	27pF
E211	23T25149W09	ELY.,		E505	23S61523F34	ELY.,	100µF / 10V
C212	08T55401W17	CP.,	2200pF				•
E212	23T25149W09	ELY.,	10μF / 16V	C506	08S82122F23	CP.,	27pF
C213	08T15559W26	TF.	0.12µF	E506	23S61523F34	ELY.,	100μF / 10V
E213	23T25149W09	ELY.,	10μF / 16V	C507	08T15399W01	CP	0.022µF
		TF.	0.12μF	E507	23561523F34	ELY.,	100µF / 10V
C214	08T15559W26	, ,	•	C508	08S65128F35	CP.,	100pF
E214	23T25149W09	ELY.,	10μF / 16V				•
C215	08T15559W26	TF,	0.12µF	E508	23T25149W12	ELY.,	47µF / 16V
E215	23T25149W09	ELY.,	10µF / 16V	C509	08S65128F35	CP.,	100pF
C216	08T15559W26	TF.	0.12µF	C510	08S65128F35	CP.,	100pF
		1 '	10µF / 16V	C511	08S65128F35	CP.,	100pF
E216	23T25149W09	ELY.,		1		ELY.,	0.33µF / 50V
C217	08T55401W17	CP.,	2200pF	E511	23S61523F27		•
E217	23T25149W04	ELY.,	0.47μF / 50V	C512	08T15399W03	CP.,	0.047µF
C218	08T55401W17	CP.,	2200pF	C513	08T15399W01	CP.,	0.022µF
E218	23T25149W04	ELY	0.47µF / 50V	C514	08T15807W05	CP	0.1µF
•		1 '	10µF / 16V	C515	08T15807W05	CP.,	0.1µF
E219	23T25149W09	1 '	·	C516	08565128F35	CP.,	100pF
E220	23T25149W05		1µF / 50V			CP.,	0.01µF
E221	23T25149W09	ELY.,	10μF / 16V	C517	08S65128F69	CF.,	0.01рг
E222	23T25149W09	ELY.,	10μF / 16V	C518	08S65128F69	CP.,	0.01µF
E223	23T25149W05		1µF / 50V	C519	08\$82122F21	CP.,	22pF
E224	23T25149W05		1µF / 50V	C520	08\$82122F20	CP.,	20pF
	23T25149W02	1	0.22µF / 50V	C522	08\$65128F69	CP.,	0.01µF
E225			0.22μF / 50V	C523	08565128F69	CP.,	0.01µF
E226	23T25149W02	ELY.,	0.22με / 300	(323	00303120103	.,	0.0141
E227	23T25149W03	ELY.,	0.33µF / 50V	C524	08\$65128F35	CP.,	100pF
	23T25149W03	1 .	0.33µF / 50V	C529	08S65128F35	CP.,	100pF
E228		1 '	10pF	C532	08S65128F69	CP.,	0.01µF
C301	08582122F13	CP.,	•	C532	08565128F35	CP.,	100pF
E301	23T25149W05		1μF / 50V				•
C302	08S82122F13	CP.,	10pF	C539	08S65128F43	CP.,	220pF
E302	23T25149W05	ELY.,	1μF / 50V	C540	08\$65128F69	CP.,	0.01µF
C303	08582122F13	CP.,	10pF	C541	08S65128F35	CP.,	100pF
	23T25149W05	1	1μF / 50V	C542	08S65128F35	CP.,	100pF
E303		1 '	'	C542	08565128F35	CP.,	100pF
C304	08582122F13	CP.,	10pF			1	•
E304	23T25149W05	ELY.,	1μF / 50V	C545	08S65128F69	CP.,	0.01μF
E305	23T25149W09	ELY.,	10μF / 16V	C547	08S65128F35	CP.,	100pF
E306	23T25149W09		10µF / 16V	C549	08T15399W02	CP.,	0.033µF
	23T25149W09		10μF / 16V	C550	08\$65128F63	CP.,	3300µF
E307			10μF / 16V	C553	08\$65128F35	CP.,	100pF
E308	23T25149W09		·		08565128F35	CP.,	100pF
E309	23T25149W05	ELY.,	1μF / 50V	C554	V6303 120F33	CF.,	ioohi
E310	23T25149W05	ELY.,	1μF / 50V	C555	08S82122F19	CP.,	18pF
E316	23T25149W05	1	1μF / 50V	C556	08582122F19	CP.,	18pf
E317	23T25149W09	1	10µF / 16V	C701	08S65128F61	CP.,	2200pF
	23T25149W09		10μF / 16V	E701	23S61523F29	ELY.	1µF / 50V
E318			•	C702	08S65128F69	CP.,	0.01µF
E319	23T25149W09	ELY.,	10μF / 16V	C/02	100303120F09	Cr.,	υ.υ τμι
E320	23T25149W09	ELY.,	10µF / 16V	E702	23S61523F30	ELY.,	2.2µF / 50V
	22122173403	1 '	·	C703	08T15399W02	1	
C501	08S82122F21	CP.,	22pF	(/())*	1001133330003	TCP	0.033µF

No.	Part No.	Description	Symbol No.	Part No.		Description
E703	23S61523F12	ELY., 10µF / 16V	R026	06S64995F77	101/	ohm
	08S65128F69	CP., 0.01µF	R027	06S64996F04	120K	
			R028			
	23S61523F12			06S64995F77		ohm
	08T15807W05	CP., 0.1μF	R030	06S64995F53		ohm
E705	23S61523F12	ELY., 10µF/16V	R032	06S64995F93	47K	ohm
C706	08\$65128F35	CP., 100pF	R033	06S64995F93	47K	ohm
	23S61523F12	ELY., 10µF / 16V	R036	06S64995F77		ohm
	08S65128F61	CP., 2200pF	R037	06S64995F77		ohm
	23561523F12		R041	06S64995F77		ohm
C708	08T15399W01	CP., 0.022µF	R042	06S64995F77	10K	ohm
	23S61523F12	ELY., 10μF / 16V	R043	06S64996F04	120K	ohm
E709	23S61523F12	ELY., 10μF / 16V	R044	06S64995F77	10K	ohm
E710	23S61523F34	ELY., 100μF / 10V	R045	06S64995F77	10K	ohm
E711	23S61523F12	ELY., 10μF / 16V	R046	06S64995F69	4.7K	ohm
	08S65128F69	CP., 0.01µF	R047	06S64995F69	4.7K	ohm
E801	23S61523F25	ELY., 0.1µF/50V	R060	06S70072F41	220	ohm 1/4W
		CP., 0.14F/30V	R066	06S64995F77		ohm 1/4vv
	08T15399W03					
	23561523F12	ELY., 10μF / 16V	R201	06S64995F37		ohm
	08S65128F69	CP., 0.01μF	R202	06564995F37		ohm
E803	23T35505W02	ELY., 2200μF / 16V	R203	06S64995F86	24K	ohm
C804	08\$65128F57	CP., 1000pF	R204	06S64995F86	24K	ohm
	23T00149L28	ELY., 470µF / 16V	R205	06S64995F47		ohm
	08T15399W01	CP., 0.022µF	R206	06S64995F47		ohm
	23T25149W15	ELY., 4.7µF/35V	R207	06S64995F53		ohm
		· ·	R207		1	
C806	08T15399W01	CP., 0.022µF	N208	06S64995F87	2/8	ohm
	23T35150W31	ELY., 100μF / 50V	R209	06S64995F81		ohm
C807	08T15399W01	CP., 0.022µF	R210	06S64995F81	15K	ohm
E807	23T25149W05	ELY., 1µF/50V	R211	06S64995F77	10K	ohm
	23S61523F12	ELY., 10µF / 16V	R212	06S64995F77		ohm
	23S61523F34	ELY., 100µF / 10V	R213	06S64995F79		ohm
E811	23T94181F40	ELY., 220µF / 10V	R214	06S64995F75	8.2K	ohm
		ELY., 220µF/16V	R214	06S64995F79		ohm
	23561523F12			4		
	23T25149W05	ELY., 1µF / 50V	R216	06S64995F75		ohm
E814	23T25149W05	ELY., 1µF/50V	R217	06S64995F61		ohm
			R218	06S64995F85	22K	ohm
			R219	06S64995F85	22K	ohm
1			R220	06S64995F85		ohm
			R221	06S64995F85		ohm
1			R222	06564995F85		ohm
1 t			R223	06564995F53		ohm
			11423	50304333F33		VIIII
			R224	06564995F85	22K	ohm
1			R225	06S64995F85	22K	ohm
			R226	06S64995F77		ohm
Resistor	rs (All resist	ors are chip 1/10W±5%	R227	06S64995F77		ohm
		herwise noted.)	R228	06S64995F63		ohm
	06S64996F02	100K ohm				
R017	06S64995F69	4.7K ohm	R229	06S64995F63	2.7K	ohm
R018	06564996F22	680K ohm	R230	06S64996F26	1M	ohm
R019	06S64996F14	330K ohm	R231	06564996F26		ohm
	06S64995F29	100 ohm	R232	06S64996F26		ohm
			R233	06S64996F26		ohm
R021	06\$64995F53	1K ohm	1			
R023	06S64995F77	10K ohm	R234	06S64996F26	1M	ohm

Symbol No.	Part No.	Description	Symbol No.	Part No.		Description
R235	06S64996F26	1M ohm	R512	06\$64995F93	47K	ohm
R236	06564995F93	47K ohm	R514	06S64995F85	22K	ohm
R237	06S64996F30	2.2M ohm	R515	06S64995F79	12K	ohm
R238	06S64996F30	2.2M ohm	R516	06S64995F61	2.2K	ohm
R239	06S64996F30	2.2M ohm	R517	06564995F93	47K	ohm
			7540	00000000000	471/	-1
R248	06S64996F30	2.2M ohm 3.9K ohm	R518 R519	06S64995F93 06S64995F93	47K 47K	
R301	06S64995F67		R520	06564995F93	47K	
R302	06S64995F67	3.9K ohm			47K	
R303	06564995F67	3.9K ohm	R521	06S64995F93 06S64995F93		
R304	06S64995F67	3.9K ohm	R522	00304993F93	47K	Onin
R305	06564996F02	100K ohm	R523	06S64995F53		ohm
R306	06S64996F02	100K ohm	R524	06S64996F02	100K	ohm
R307	06S64996F02	100K ohm	R525	06S64995F93	47K	ohm
R308	06S64996F02	100K ohm	R526	06\$64995F93	47K	ohm
R309	06S64995F83	18K ohm	R527	06S64995F93	47K	ohm
R310	06564995F83	18K ohm	R528	06S64995F93	47K	ohm
	06564995F83	18K ohm	R529	06564995F77		ohm
R311	06564995F83	18K ohm	R531	06564995F85		ohm
R312		220 ohm	R532	06564995F85		ohm
R313 R314	06S64995F37 06S64995F37	220 ohm	R533	06S64995F77		ohm
115.11						
R315	06S64995F37	220 ohm	R534	06S64995F77		ohm
R316	06S64995F37	220 ohm	R535	06S64995F77		ohm
R317	06564995F93	47K ohm	R536	06S70072F61		ohm 1/4W
R318	06564995F93	47K ohm	R537	06564995F89	33K	ohm
R319	06S64995F93	47K ohm	R538	06S64995F53	1K	ohm
R320	06564995F93	47K ohm	R539	06564995F53	1K	ohm
R321	06564995F29	100 ohm	R540	06S70072F19	39	ohm 1/4W
R322	06S64995F29	100 ohm	R541	06S70072F19	39	ohm 1/4W
R323	06S64995F29	100 ohm	R542	06S70072F19	39	ohm 1/4W
R324	06S64995F29	100 ohm	R543	06S70072F19	39	ohm 1/4W
	00004005577	40K ahaa	NE45	06564005553	11/	a b
R325	06S64995F77	10K ohm	R545	06S64995F53		ohm
R326	06S64995F77	10K ohm	R547	06S64995F53	1K	ohm
R327	06S64995F77	10K ohm	R548	06S64995F53	1K	ohm
R328	06S64995F77	10K ohm	R549	06S64995F53		ohm
R343	06S64995F85	22K ohm	R550	06S64995F53	1K	ohm
R344	06564995F85	22K ohm	R551	06S64995F77	10K	ohm
R345	06S64995F85	22K ohm	R552	06S64996F26	1M	ohm
R346	06S64995F85	22K ohm	R553	06S64996F14	330K	ohm
R347	06S64995F85	22K ohm	R554	06S64996F18	470K	ohm
R348	06S64995F85	22K ohm	R555	06S64995F05	10	ohm
R349	06S64995F85	22K ohm	R556	06S64995F75	8.2K	ohm
	06564995F85	22K Ohm	R557	06564995F93		ohm
R350	06564995F41	330 ohm	R558	06564995F61	2.2K	
R501		33K ohm	R559	06564995F57		ohm
R502	06564995F89	47K ohm				ohm
R503	06S64995F93	4/ N UIIII	R560	06S64995F93	4/ N	Onn
R504	06S64995F93	47K ohm	R561	06S64995F77		ohm
R505	06S64995F93	47K ohm	R563	06S64995F93		ohm
R506	06S64995F93	47K ohm	R564	06S64995F77		ohm
R507	06S64995F69	4.7K ohm	R565	06S64995F93		ohm
R508	06S64995F69	4.7K ohm	R567	06S64995F69	4.7K	ohm
R509	06S64995F93	47K ohm	R568	06S64995F85	22K	ohm
R510	06564995F61	2.2K ohm	R569	06564995F61	2.2K	
V210	00304333701	Z.ZR UIIII	11 1,309	10104233101	2.21	Simil

Symbol No. Description Symbol Part No. Description N				1			
R571	Symbol No.	Part No.	Description	Symbol No.	Part No.	Description	
R871 065564995F93 47K ohm R820 06570072F45 470 ohm 1/4W R872 06564995F81 15K ohm R821 06570072F45 470 ohm 1/4W R873 06564995F87 15K ohm R822 06570072F43 15K ohm 1/4W R875 06564995F77 10K ohm R822 06570072F41 330 ohm 1/4W R877 06564995F77 10K ohm R824 06570072F41 330 ohm 1/4W R877 06564995F71 10K ohm R826 06570072F45 470 ohm 1/4W R878 06564995F71 10K ohm R827 06564995F61 12K ohm R701 06564995F81 470K ohm R829 06564995F62 3.9K ohm R703 06564995F61 2.2K ohm R831 06564995F62 3.9K ohm R704 06564995F61 2.2K ohm R831 06564995F63 3.3K ohm R705 06564995F62 100K ohm R833 06564995F63 3.3K ohm R706 06564995F62 100K ohm R834 0654	R570	06S64995F57	1.5K ohm	R819	06570072F53	1K ohm 1/4W	
R572 065564995F71 10K ohm R821 06570072F45 470 ohm 1/4W R574 06564995F87 27K ohm R822 06564995F76 1K ohm 1/4W R575 06564995F77 10K ohm R823 06564995F76 3.0 ohm 1/4W R576 06564995F77 10K ohm R824 06570072F41 330 ohm 1/4W R578 06564995F93 47K ohm R822 06564995F95 1.2k ohm 1/4W R579 06564995F91 47K ohm R822 06564995F92 1.0k ohm 1/4W R701 06564995F91 2.2K ohm R829 0656499F02 1.00k ohm 1/4W R702 06564995F12 100k ohm R829 0656499F02 1.00k ohm 1/4W R704 06564995F12 100k ohm R831 06564995F93 47K ohm 1/4W R705 06564995F20 100k ohm R832 06564995F93 47K ohm 1/4W R709 06564995F93 10K ohm R833 06564995F93 1K ohm 1/4W R710 06564995F93 47K ohm R837	R571	06S64995F93	47K ohm	R820	06S70072F45		
R873 06564995F81 15K ohm R822 06570072F33 11K ohm 1/4W R875 06564995F77 10K ohm R823 06570072F43 330 ohm 1/4W R876 06564995F77 10K ohm R824 06570072F43 470 ohm 1/4W R877 06564995F93 47K ohm R826 06570072F43 470 ohm 1/4W R8701 06564995F93 47K ohm R828 06564995F67 3.9K ohm R702 06564995F18 470K ohm R829 06564995F67 100K ohm R703 06564995F18 470K ohm R829 06564995F60 100K ohm R703 06564995F61 2.2K ohm R832 06564995F60 3.9K ohm R704 06564995F61 2.2K ohm R831 06564995F60 3.9K ohm R705 06564995F62 100K ohm R833 06564995F63 3.3K ohm R706 06564995F62 100K ohm R834 06564995F63 3.3K ohm R710 06564995F29 10K ohm R836 06570072F3	R572	06S64995F77	10K ohm	R821			
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R707			330K ohm	R833	06S64995F65	3.3K ohm	
R708 66564995F62 100K ohm R836 05564995F77 10K ohm R709 06564995F69 4.7K ohm R837 06570072F53 1K ohm 1/4W R711 06564995F77 10K ohm R838 06570072F53 1K ohm 1/4W R712 06564995F77 10K ohm R840 06570072F39 270 ohm 1/4W R713 06564995F53 1K ohm R840 06570072F39 270 ohm 1/4W R714 06564995F29 100 ohm R841 06570072F39 270 ohm 1/4W R715 06564995F02 100K ohm R842 06570072F39 270 ohm 1/4W R716 06564995F02 100K ohm R842 06570072F39 270 ohm 1/4W R717 06564995F02 100K ohm VR201 18T55256W13 Variable, 10K ohm R718 06564995F03 47K ohm 0hm VR202 18T55256W13 Variable, 10K ohm R721 06564995F93 47K ohm 0hm T Front P. C. Board R722 06564995F93	R706	06S64995F53	1K ohm	R834	06S64995F65	3.3K ohm	
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R709	R708	06564996F02	100K ohm				
R710	R709	06564995F69	4.7K ohm				
R711 06564995F77 10K ohm R839 06564995F89 33K ohm R712 06564996F02 100K ohm R840 06570072F39 270 ohm 1/4W R713 06564995F29 100 ohm R841 06553330F77 10K ohm 1/8W R715 06564996F02 100K ohm R842 06570072F3 2.2K ohm 1/4W R716 06564995F02 100K ohm R850 06564995F77 10K ohm R717 06564995F03 3.9K ohm VR201 18T55256W13 Variable, 10K ohm R718 06564995F03 4.7K ohm VR202 18T55256W13 Variable, 10K ohm R720 06564995F03 4.7K ohm VR202 18T55256W13 Variable, 10K ohm R721 06564995F03 1K ohm VR202 18T55256W13 Variable, 10K ohm R722 06564995F03 1K ohm VR202 18T55256W13 Variable, 10K ohm R724 06564995F03 1K ohm 1/6 VR202 18T55258W22 X24LC0451 R802 06564995F03	R710	06S64995F93					
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R722	R720	06564995F77	10K ohm				
R723 R724 06564995F29 R725 06564995F29 R726 06564995F89 100 ohm 100 oh	R721	06S64995F93	47K ohm				
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R725		1				<u>. </u>	_
R726				1	Front	P. C. Board	
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R807 R808 R809 R811 O6570072F03 R812 R812 O6570072F03 R813 O6570072F03 R814 R815 O6564995F77 O6564995F77 O6570072F03 O6570072F03 O6570072F03 O6570072F03 O6570072F03 O6570072F03 O6570072F03 O6580 ohm 1/4W O6564995F77 O6664995F77 O66649	R806	06S70072F55	1.2K ohm 1/4W				ļ
R808	•					<u></u>	
R809 R811 06570072F55 06570072F03 6.8 ohm 1/4W R812 06570072F03 6.8 ohm 1/4W R813 06570072F03 6.8 ohm 1/4W R814 06564995F77 R815 06564995F77 R816 06553330F61 2.2K ohm 1/8W Transistors Q402 48T73888F12 Q403 48T94853F08 Q404 48T94853F08 Q405 48T94853F08 Q406 48T94853F08 Q406 48T94853F08 QP., DTD143TK Q407 Q407 Q408 48T94853F08 QP., DTD143TK Q408 Q407 Q408 Q407 Q408 Q407 Q408 Q408 Q408 Q407 Q408 Q408 Q408 Q408 Q409 Q407 Q408 Q408 Q409 Q409 Q409 Q409 Q409 Q409 Q409 Q409							
R811 06570072F03 6.8 ohm 1/4W Q402 48T73888F12 CP., FMC2 Q403 48T94853F08 CP., DTD143TK Q404 48T94853F08 CP., DTD143TK Q405 48T94853F08 CP., DTD143TK Q406 48T94853F08 CP., DTD143TK CP.	1			Trans	istors		
R812 06570072F03 6.8 ohm 1/4W Q404 48T94853F08 CP., DTD143TK Q405 48T94853F08 CP., DTD143TK Q405 48T94853F08 CP., DTD143TK Q406 48T94853F08 CP., DTD143TK Q406 48T94853F08 CP., DTD143TK CP., DTD143TK Q406 48T94853F08 CP., DTD143TK Q406 48T94853F08 CP., DTD143TK Q406 48T94853F08 CP., DTD143TK Q408 48T94853F08 CP., DTD143TK Q408 48T94853F08 CP., DTD143TK				0402	/8T73999E13	CP EMC3	
R812							j
R813	R812	06S70072F03	6.8 ohm 1/4W				
R814							
R815							
R816 06553330F61 2.2K ohm 1/8W Q407 48T94853F08 CP., DTD143TK Q408 48T94853F08 CP., DTD143TK				2-100	70129003700	Cr., DID1431K	
Q408 48T94853F08 CP., DTD143TK				0407	ARTOARESTOR	CB DED142TH	- 1
₩ Q408 48194853F08 CP., DTD143TK		2233330101	2.21 OHH 1/04V				- 1
	R817	06564995577	10K ohm				
4 105 1 1015 105 10 Ci., DID 145 IK						-	
R818 06S64995F77 10K ohm Q410 48T94853F08 CP., DTD143TK	1010	00304333777	ION OHIII	Q410 4	48194853F08	CP., DTD143TK	

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
Diode	es		Coils		
D401 D402 D403 ZD401 ZD402	48T81063F01 48T81063F01 48T63463F01 48T62934F22 48T62934F22	CP., MA159 CP., MA159 CP., DAP202K CP., RD5.6MB2 CP., RD5.6MB2	L401 L402	24T16403W19 24T16403W19	Inductor, 2.2µН Inductor, 2.2µН
			Ther	mistor	
			TH401	48T35484W05	10K ohm
Switc	:hes				
5401		SKQDAB (POWER / INTLZ)			<u> </u>
\$402		SKQDAB (CLOCK)	Cryst	tal	
S403		SKQDAB (A.PROC)	X401	91T45433W49	8.3886MHz
\$404	40T35140W22	SKQDAB (M / P, T.INFO)	X401	911454550049	0.30001VITZ
\$408	40T35140W22	SKQDAB (DEFEAT / TITLE)			
\$409	40T35140W22	SKODAB (M.S.CD, UP / FF)	1		
S410		SKQDAB (M.S.CD, DN / REW)			
S411	40T35140W22	SKQDAB (DOLBY B / C, 1 / Y)	Cana	acitors	
S412	40T35140W22	SKQDAB (P.S.DN / 2 / M)			I
S413	40T35140W22	SKQDAB (P.S.UP/3/D)	C401	08582122F17	CP., 15pF
			E401	23T25191W07	ELY., 22μF / 6.3V
S414		SKQDAB (B.SKIP / 4 / CT)	C402	08S82122F17	CP., 15pF
\$415	40T35140W22	SKQDAB (R.EJECT / 5 / H)	E402	23T25191W07	ELY., 22µF / 6.3V
S416	40T35140W22		C403	08S65128F69	CP., 0.01µF
S417		SKQDAB (MONO / REPEAT)			
S418	40T35140W22	SKQDAB (PTY / SCAN)	C404	08S65128F69	CP., 0.01μF
			E404	23T25191W07	ELY., 22μF / 6.3V
S419		SKQDAB (DX / A · ME / M.I.X.)	C405	08S65128F69	CP., 0.01μF
S420		SKQDAB (EFFECT / A.P.I)	C406	08S65128F69	CP., 0.01µF
S421		SKQDAB (D.DISP)	C407	08S65128F69	CP., 0.01μF
\$422		SKQDAB (A.S.C.)	C408	08S65128F69	CP., 0.01µF
S426	40T35140W22	SKQDAB (EJECT / CNTRST)	C408	08565128F69	CP., 0.01μF
1			C410	08565128F55	CP., 680pF
			C410	08565128F69	CP., 0.01µF
	,		C411	08565128F35	CP., 100pF
			C412	00303120133	
Lam		Lav 70 A			
PL401	65T55635W02				
PL402	65T55635W03 65T55635W02				
PL403 PL404	65T55635W02				
PL404 PL405	65T55635W02	1	Resist	ors (All resist	tors are chip 1/10W±5%
FL403	33,330334403			unless o	therwise noted.)
PL406	65T55635W03	6V-70mA	R401	06S64995F77	10K ohm
PL407	65T55635W02		R402	06S64995F53	1K ohm
PL408	65T55635W02		R404	06S64995F53	1K ohm
PL409	65T55635W03		R405	06S64995F53	1K ohm
PL410	65T55635W03		R406	06S64995F53	1K ohm
		C 774 O 5 77 A	D407	06564005553	1K ohm
PL414	65T95083F05	6.7V-85mA	R407	06S64995F53 06S64995F83	18K ohm
PL415	65T95083F09	6.7V-85mA	R409 R410	06564995F77	10K ohm
PL416	65T55635W03	6V-70mA	R410	06S64995F77	10K ohm
			R411	06S64995F77	10K ohm
1					
1			R413	06S64995F77	10K ohm
l			R414	06S64995F93	47K ohm
			R415	06S64995F59	1.8K ohm
L			L		

R416 R417 R418 R419	06S64996F02 06S70072F09	1006					
R418		1001	ohm	Crys	tal	<u> </u>	
	003/00/2:03	15	ohm 1/4W	Crys	Lai		
P/10	06S70072F09	15	ohm 1/4W	X101	91T45433W43	7.2MHz	
N413	06S70072F09	15	ohm 1/4W	X102	91T45433W18	4.332MHz	
R422	06S70072F09	15	ohm 1/4W	X103	91T65014W01	4MHz	
				11			
R423	06S70072F09	15	ohm 1/4W	(
R424	06S70072F09	15	ohm 1/4W]			
R425	06S70072F09	15	ohm 1/4W	l ł			
R426	06S70072F16	30	ohm 1/4W		•	<u> </u>	
R427	06S70072F15	27	ohm 1/4W	Capa	acitors		
l				C101	08S65128F69	CP.,	0.01µF
R428	06S64995F93	47K	ohm	E101	23T74180F02	CP., ELY.	100µF / 6.3V
R431	06S64995F77	10K	ohm	C102	08S65128F69	CP.,	0.01µF
R432	06S64995F77	10K	ohm	E102	23T74180F01	CP., ELY.	22µF / 6.3V
R433	06S64995F77	10K	ohm	C103	08T15807W05	CP.,	0.1μF
R434	06S64995F77	10K	ohm	11] ''	στιμι
				E103	23T74180F03	CP., ELY.	10µF / 16V
R435	06S64996F02	100K	ohm	C104	08T15399W02	CP.,	0.033μF
R436	06S64996F02	100K		E104	23T74180F16	CP., ELY.	2.2μF / 50V
R437	06S64996F02	100K		C105	23T55636W11	ELY., (B.P)	2.2µF / 35V
R438	06564996F02	100K		E105	23T74180F03	CP., ELY.	
R439	06564996F02	100K		11 - 103	231/4100F03	Cr., ELT.	10µF / 16V
	(D) VI VE	1301	w+4111	C106	08T55487W01	CP.,	0.45
R440	06S64996F02	100K	ohm	E106	23T74180F03		0.15µF
R441	06564995F93	47K				CP., ELY.	10μF / 16V
	06\$64995F53	,	ohm	C107	08T15399W02	CP.,	0.033µF
				E107	23T74180F13	CP., ELY.	0.68µF / 50V
	06564995F93 06564996F02	47K 100K		C108	08S65128F69	CP.,	0.01µF
K499	00304990702	TOOK	onm				
VR401	18T45332W01	10V above	(C-164)	C109	08S65128F69	CP.,	0.01µF
VK4UI	181453329901	TUK ONM	(Selfreturn)	C110	08S65128F29	CP.,	56pF
				C112	08S65128F57	CP.,	1000pF
i l				C113	08582122F19	CP.,	18pF
				C114	08S82122F19	CP.,	18pF
				C115	09697177610	CD.	40.0
	PLL & RDS	S P.C	. Board	C116	08582122F19	CP.,	18pF
					08S82122F19	CP.,	18pF
IC's				C117	08582122F49	CP.,	330pF
IC101	51T68999F13	BU4066BF		C118	08\$65128F53	CP.,	560pF
				C119	08S65128F69	CP.,	0.01µF
	51T68999F23 51T93336F01	XRU4066BF			00000		
		NJM4558M		C121	08S65128F35	CP.,	100pF
	51T35504W02	LC7219		C122	08S65128F35	CP.,	100pF
IC104	51T55054W02	SAA6579T		C123	08S65128F35	CP.,	100pF
10405	EATBEROSIA	1.070724					
IC105	51T35503W02	LC7073M					
	1						
				Resisto	rs (Ali raciet	ors are ch	ip 1/10W±5%
T	ieto ee			1	unless of	herwise n	oted.)
Transi	ISTOL			R101	06S64995F77	10K o	
Q101	48T73888F08	CP., FMG1		R102	06564995F61	2.2K o	
	48T62967F03	CP., DTC12	4K	R103	06564995F53	2.2K 0	
	48T63420F01	CP., 25A10		R103	06564995F61		
	48T62967F03	CP., DTC12		R105	06564995F29	2.2K o 100 o	
		, -1414		1,103	00304333F43	100 0	11111
				R106	06S64995F77	10V -	hm
				R108	06S64995F53	10K o	
		***************************************		R108	06564995F61	1K o	
Diode	S		_	R110	1	2.2K o	
D102 4	48T63462F01	CP., DAN20	12K		06564995F53	1K o	
3102	-0.703-702101	Cir., DANZ	, E I	R111	06S64995F71	5.6K o	nm
				i 1			

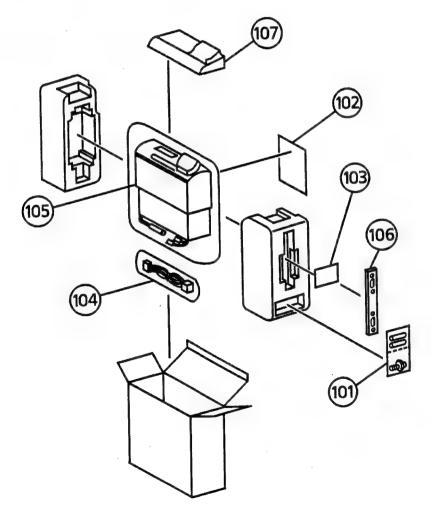
	7			1	
Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
Resisto	rs (All resisto unless ot	ors are chip 1/10W±5% herwise noted.)	Resisto	ors (All resist unless ot	ors are chip 1/10W±5% herwise noted.)
R112 R113 R114 R115 R116 R117 R118 R119 R120 R130	06S64995F53 06S64995F77 06S64995F93 06S64995F53 06S64995F61 06S64995F77 06S64995F77	1K ohm 1K ohm 1K ohm 10K ohm 47K ohm 1K ohm 2.2K ohm 100 ohm 10K ohm 4.7K ohm 10K ohm	R1501 R1502 R1503 R1504 R1505	06564995F77 06564995F77 06564996F10 06564996F26 06564996F18	10K ohm 10K ohm 220K ohm 1M ohm 470K ohm
				GR Audio	P. C. Board
			IC/E	Diode	
	Switch	P. C. Board	IC1201 D1201	51T15146W01 48T44813F01	IC, TA7705P MA165TA
Swite	ches				
\$405	40T35140W22	SKQDAB (MODE LOUD)			
\$423	40T35140W22	SKQDAB (TUNER / BAND / DAP) SKQDAB (TAPE, PLAY / PAUSE)	Capa	acitors	
5424 5425	40T35140W22 40T35140W22	SKQDAB (TAPE, PLAY / PAUSE) SKQDAB (DISC, PLAY / PAUSE)	E1201 C1202 E1202 C1203 E1203	23T25149W09 08T35389W07 23T25149W13 08T35389W07 23T25149W13	ELY., 10μF / 16V PF., 330pF ELY., 100μF / 10V PF., 330pF ELY., 100μF / 10V
Lamı	os		61304	08T35389W07	PF., 330pF
PL411 PL412 PL413	65T55635W02 65T55635W04 65T55635W04	6V-70mA 6V-70mA 6V-70mA	C1204 E1204 C1205 E1205 E1206 C1208 C1209	08T35389W07 23T25149W12 08T35389W07 23T25149W15 23T25149W15 08T35122W02 08T35122W02	ELY., 47µF / 16V PF., 330pF ELY., 4.7µF / 35V ELY., 4.7µF / 35V TF, 0.012µF TF, 0.012µF
	GR Contro	ol P. C. Board			
IC's /	Transistors		Resiste	ors (All resist	ors are chip 1/10W±5% therwise noted.)
IC1501 IC1502 Q1501 Q1502	51T25621W02	IC, AN6275NK IC, M51143AL 25B1243 CP., DTC144TU	R1201 R1202 R1203 R1204 R1205	06S53330F29 06S53330F32 06S53330F32 06S64996F14 06S64995F78	100 ohm 1/8W 130 ohm 1/8W 130 ohm 1/8W 330K ohm 330K ohm
Capa	acitors		R1209 R1210	06S64995F78 06S64995F81	11K ohm 15K ohm
E1501 C1502 C1503	23561524F32 08T35374W01 08T35374W01	CP., 0.1μF	R1211 R1212	06S64995F81 06S64995F65	15K ohm 3.3K ohm
C1504 C1505	08T35374W01 08S65128F15	CP., 0.1μF CP., 15pF	R1213 R1214 R1215	06S53330F65 06S53330F85 06S64995F85	3.3K ohm 1/8W 22K ohm 1/8W 22K ohm

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
	Misc	ellaneous			
CB401 CH401 or ET001 ET301	09T45338W02 01T15513W04	17P Connector 17P Connector 17P Connector Antenna Receptacle Assy., RCA Connector			·
ET801 ET803 HD1101 JK802	01T55619W01 88T35406W02	Assy., Power Supply Connector Assy., DIN Connector (Ai-NET OUTPUT Connector) Head Assy., DIN Socket			
LCD401	65T55617W03	(Ai-NET INPUT Connector)			
M1501	01V41100W72	Assy., Main Motor			
PT1501 S1501 S1502	51T15144W01 40T15222W01 40T15382W01	(13.2V-88mA) Sensor, Photo ON2170-R Switch, Detector (PACK IN) Switch, Detector (PACK DOWN)			
S1503	40T15382W01	Switch, Detector (METAL)			
SD1501 SD1502 SD1503	01T10369W02 01T15249W01 01T10371W01	Assy., Eject Solenoid Assy., Play Solenoid Assy., RF Solenoid			

Packing Assembly Parts List

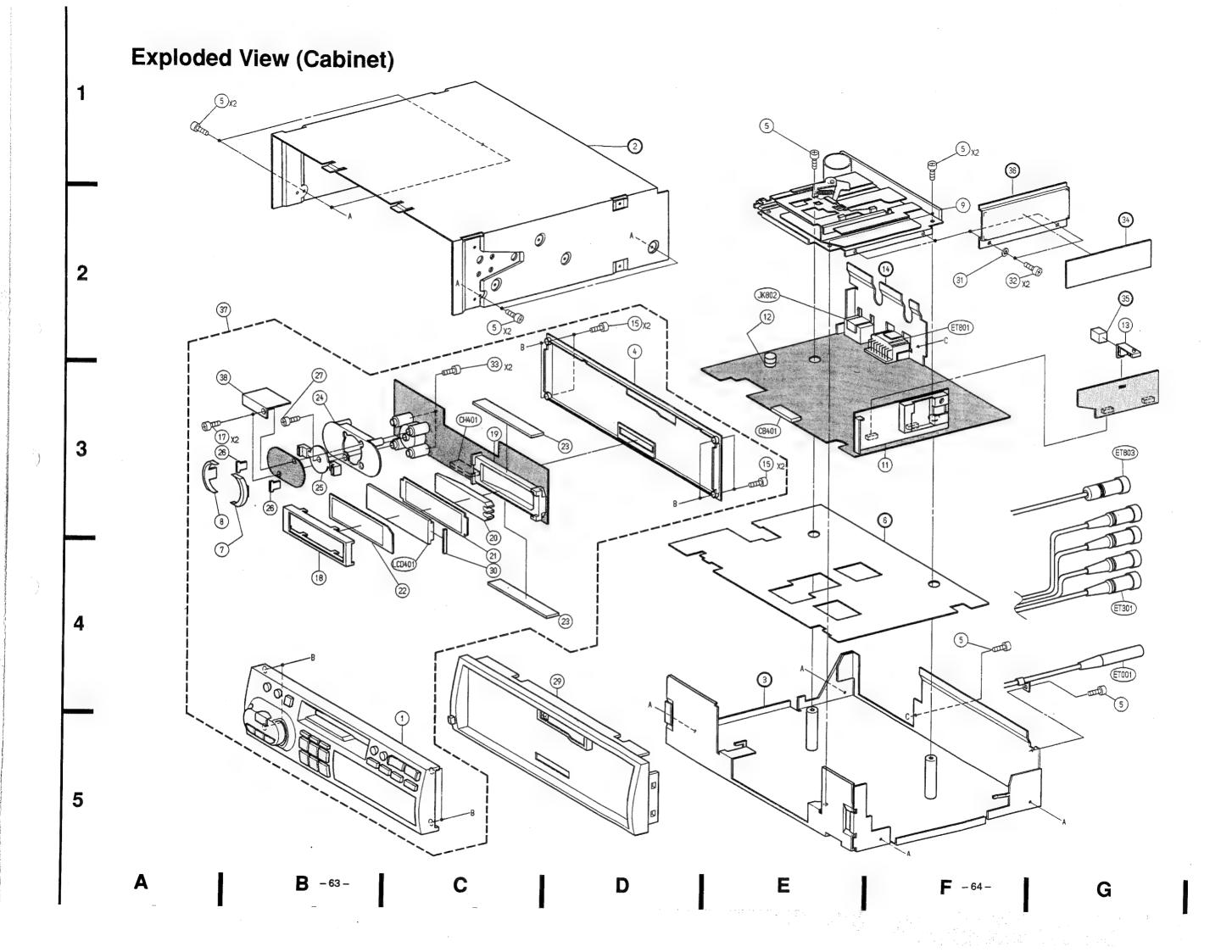
Part No.	Description	Symbol No.	Part No.	Description
02B47353F01 03S72235F42 46A42363F01 60T55629W01	Nut, Hex. (M5) Screw, Countersink (M5×8) Stud, Bolt Battery, Sun-3			
68P50390W83 01T55620W02 01T55176W10 15D50406W01 07B64552F01 15D51292W02	Assy., Wire Power Case, Inner Bracket, Strap Recicver		·	

Packing Method View

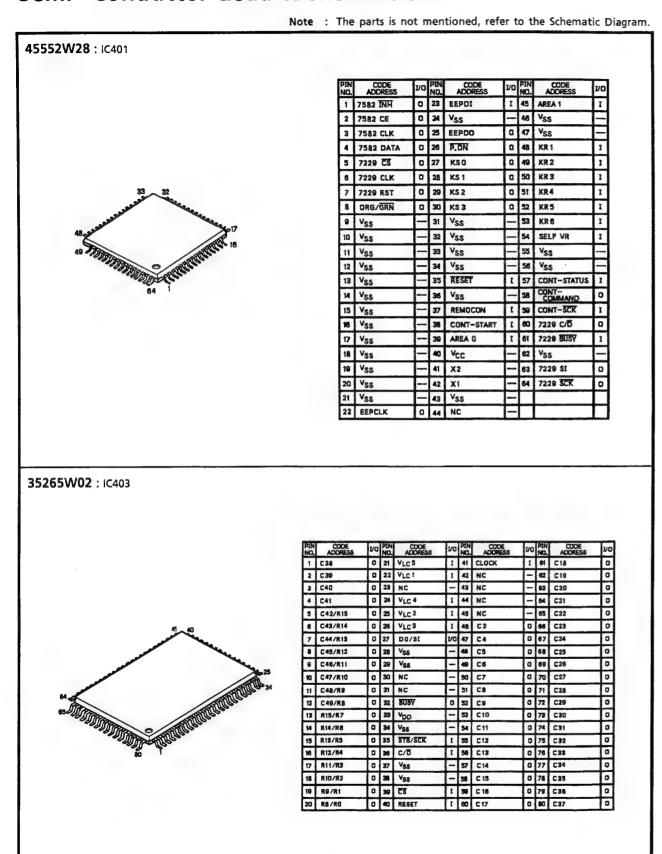


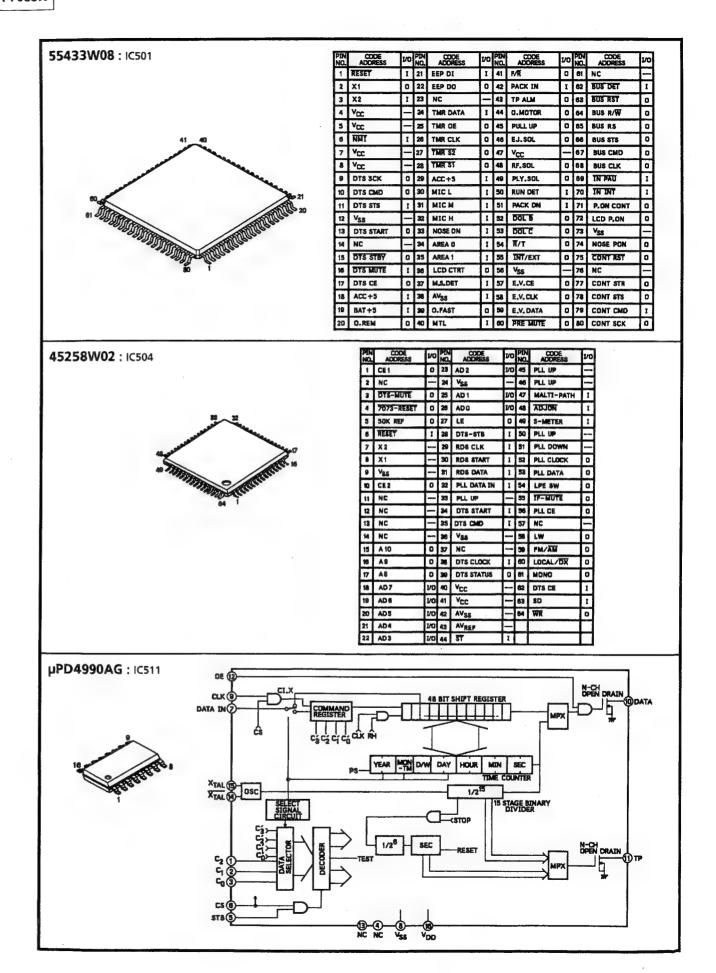
Cabinet Assembly Parts List

			Note	: No part	s num	ber on parts	list are not supplied.
Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description
1	5-C	13C51670W03	Assy., Nosepiece				
4	2-D	13D51690W01		11			
5		03S44205G07	Screw, Pan (M2.6×5)	11			
7	4-A	36D51684W01	Knob, Shuttle (L)				
8	3-A	36D51684W02		ł			
9	2-F	81D51064W01	Cassette Deck, GR75H13A				1
11	3-F	77B41467W01					
12	2-E	43A42110W01	Spacer, Microphone	1	1 1		
13	2-G	43A52051W01	Spacer, Panel	l I	1 . 1		
15		03S68555F19	Screw, Pan (M2×12)				
17		03568555F02	Screw, Pan (M2×5.5)				
18		15A51669W01	1 '				
19		15B50304W01					
20	3-C	61A50305W01	Lens, LCD	l I			
21	4-C	14A60585W01	Insulator, LCD				
22	4-C	26B60630W01	Reflector, Sheet	1			
23	, -	75T35021W05		ı	1 1		
24	3-B	43C51686W01		l			
25	3-8	36B51687W01					
	3-6						1
26		07A51685W01	, i				
27	3-B	03S68555F07	Screw, Pan (M2×4)				ļ
29		13C51691W01					
30		14S51152W23					
31	2-F	04S40070G01	Washer, Flat (M3.3)				
32	2-F	03S44205G30	Screw, Pan (M2.6×4)	1			
33	3-C	03S68555F15	Screw, Pan (M2×7)				
37	2-B	01V54300W13					
38	3-A		Insulator, Cover				
30	J-7	144013704401	misdiator, cover	1			
					1		
	-						
			•				
			1		- 1		



Semi - Conductor Lead Identifications

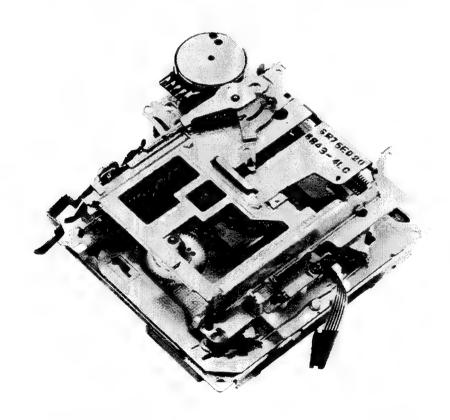






Cassette Deck Mechanism

ADDENDUM & REVISED(V)



GR/GR-Y SERIES

Contents List of Usable Lock Washers 3 List of Usable Oil 3 List of Usable Jigs 3 Disassembly, Assembly and Replacement of Functional Parts 5 to 16 Exploded View (GR75E Series) (1/4) 17 to 18 Cassette Deck Assembly Parts List (GR75E Series) (1/4) 19 to 20 Exploded View (GR75L Series) (2/4) 21 to 22 Cassette Deck Assembly Parts List (GR75L Series) (2/4) 23 to 24 Exploded View (GR-Y Series) (3/4) 25 to 26 Cassette Deck Assembly Parts List (GR-Y Series) (3/4) 27 to 28 Exploded View (GR75H Series) (4/4) 29 to 30 Cassette Deck Assembly Parts List (GR75H Series) (4/4) 31 to 32

ADDENDUM & REVISED (V)

GR/GR-Y Series GR/GR-Y Series

Memo

List of Usable Lock Washers

				QUAN	YTITY	
	SIZE	PARTS NO.	GR75E Series	GR75L Series	GR-Y Series	GR75H Series
1	$(M1.2 \times 3.5 \times 0.25)$	04B41345P01	4	4	4	2
2	$(M1.7 \times 3.5 \times 0.25)$	04B41345P02	1	1	1	4
3	$(M1.2 \times 2.5 \times 0.25)$	04B41345P11	8	8	8	9
4	$(M1.7 \times 3.5 \times 0.35)$	04B41345P12	2	2	2	2
5	$(M1.2 \times 3.5 \times 0.35)$	04B41345P15	2	2	2	2
6	$(M1\times2.5\times0.25)$	04B41345P17	1	1	1	2
7	$(M2.6\times5\times0.25)$	04B41345P29	1	1	1	1
8	$(M3.1 \times 8 \times 0.05)$	04B41345P30	1	1	1	1
9	$(M3.1 \times 5 \times 0.35)$	04B41345P32	2	2	2	2
10	$(M1.2 \times 2.5 \times 0.3)$	04B41345P34	1	1	1	0
11	$(M1.7 \times 2.8 \times 0.25)$	04B41345P35	1	1	1	2
12	$(M2.1\times4\times0.25)$	04B41345P37	1	1	1	0
13	$(M2.1 \times 4 \times 0.13)$	04S40075G05	2	2	2	0
14	$(M2.1\times4\times0.3)$	04S40075G58	0	0	0	1

List of Usable Oil

- Molykote G paste
 Grease EM-30L
 Grease PG-671

List of Usable Jigs

- GR bottom gear jig (Part No. 44A20788W01)
 Head height adjustment gauge AI-500 (Part No. AI-500)

Disassembly, Assembly and Replacement of Functional Parts

1. Disassembly and Assembly of Bottom Cover

- (1) Turn the mechanism around as shown in Figure 1.
- (2) Remove M1 lock washer ① as shown in Figure 1.
- (3) Remove three screws 2 as shown in Figure 1.
- (4) Lift the bottom cover slowly from the position (A)-1, pull the hooks out of the holes in the chassis, and remove the bottom cover as shown in Figure 1.
- (5) When remounting the bottom cover, first turn the front of the mechanism up as shown in Figure 2.
- (6) Slide the slider in the direction (a)-2 as shown in Figure 2.
- (7) Push down the cassette holder in the direction (A)-3 as shown in Figure 2.
- (8) Pull the door pin in the direction (a)-4 so that the mechanism is locked in as shown in Figure 2.
- (9) Turn the mechanism around as shown in Figure 3.
- (10)Pull the automatic metal lever in the direction
 (10)Pull the automatic metal lever in the direction
 (10)Pull the automatic metal lever in the direction
 (10)Pull the automatic metal lever in the direction
 (10)Pull the automatic metal lever in the direction
 (10)Pull the automatic metal lever in the direction
 (10)Pull the automatic metal lever in the direction
 (11)Pull the automatic metal lever in the direction
 (12)Pull the automatic metal lever in the direction
 (13)Pull the automatic metal lever in the direction
 (14)Pull the automatic metal lever in the direction
 (15)Pull the autom
- (11) Insert the hooks of the bottom cover into the chassis in the direction (A)-7, and then join the part (A)-8 of the bottom cover to the chassis slowly, making sure that the 3 points indicated with the straight lines in the Figure 3 are fitted properly.
 - If there are troubles in mounting the bottom cover, do not apply force but remove the bottom cover once again and check the positions of the individual parts. (Refer to Figure 3.)
- (12) Since the hooks marked (A)-8 will be lifted slightly as shown in Figure 4, insert the jig through the hole (A)-9, and fix it turning the jig slightly in the direction (A)-11.

 Instead of operation (12), turn the gear nose slowly with a precision screwdriver etc., taking care not to damage it.
 - After 2 to 3 turns, it will click into place. (Refer to Figures 4 and 5.)
- (13) Fix the screws and the lock washer that have been removed.

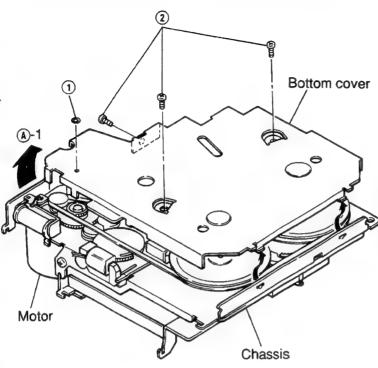


Figure 1

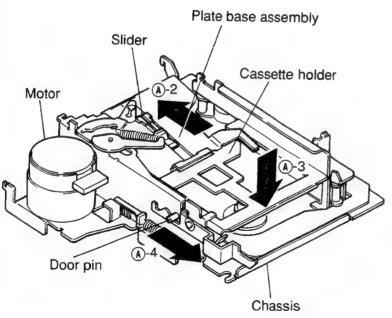


Figure 2

(14) Insert the jig into the hole (A)-9 as shown in Figure and rotate the eject solenoid counterclockwise about 20 times, pulling it in the direction (A)-10 with the finger.

Then the eject operation is completed. Instead of operation (14), the eject operation can be performed by mounting the mechanism to the product. (Refer to Figures 4 and 5.)

Note: Do not reuse the used lock washers for mounting.

When turning the mechanism, be careful not to drop the gear and the flywheel

when turning the mechanism, be careful not to drop the gear and the flywheel. Fasten the three screws with a fastening torque of 6 kg.cm.

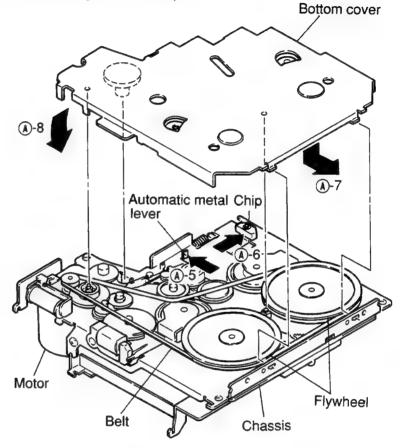


Figure 3

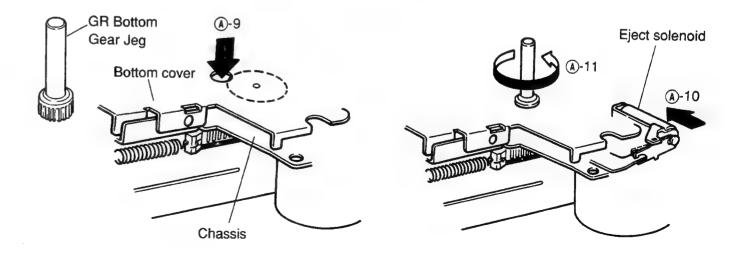


Figure 4

Figure 5

2. Replacement of the bottom cover mounting parts

- a. Replacement of the eject gear
 - (1) Remove M1.2 lock washer ③ as shown in Figure 6.
 - (2) Pull the eject pinion out of the eject gear and remove the eject gear as shown in Figure 6.
 - (3) Apply the molykote E paste to the section (B-1, and mount the eject gear following the removal steps in the reverse order. After replacement is finished, make sure that the gear rotates smoothly. (Refer to Figure 6.)

Note: Do not reuse the used lock washers for remounting.

Take care to avoid damage by piercing and tearing.

- b. Replacement of the RF solenoid
 - (1) Remove two solders (4) and remove the RF solenoid from the bottom cover by pulling it up as shown in Figure 6.
 - (2) Replace the solenoid with a new one, and remount it following the removal steps in the reverse order as shown in Figure 6.

Note: When removing solder (4), set the temperature of the soldering iron to 350° ± 10° and the soldering time to 1 – 3 seconds. Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damaged.

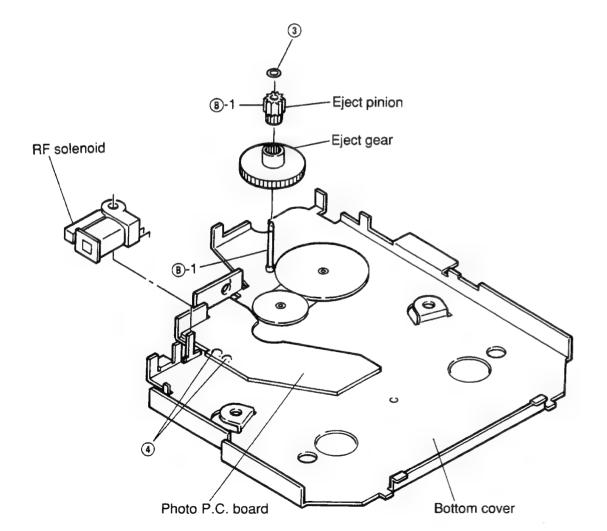


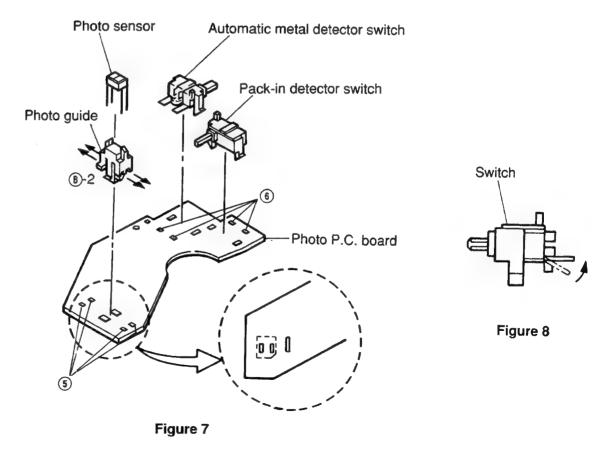
Figure 6

- c. Replacement of the photo sensor
 - (1) Remove four solders (5) as shown in Figure 7.
 - (2) Remove the photo guide together with the photo sensor from the photo P.C. board as shown in Figure 7.
 - (3) Insert the new photo sensor into the photo guide, and bend the legs of the photo sensor in the direction marked ®-2 as shown in Figure 7.
 - (4) Insert the photo guide into the P.C. board and solder the legs so that the photo sensor is set as indicated by [[]] in Figure 7.

Note: When using the soldering iron, set the temperature of the soldering iron to 350° ± 10° and the soldering time to 1 – 3 seconds. Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damaged. Also take care that the photo guide is properly fixed and straight.

- d. Replacement of the detector switch (Automatic metal pack-in)
 - (1) Remove 4 solders (6) with which the switch is fixed as shown in Figure 7.
 - (2) Prepare the terminals of the switch of the new solder as shown in Figure 8.
- (3) After that, insert the switch into the photo P.C. board, and solder the terminals.

Note: When using the soldering iron, refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Also take care that the switch guide is properly fixed and straight.



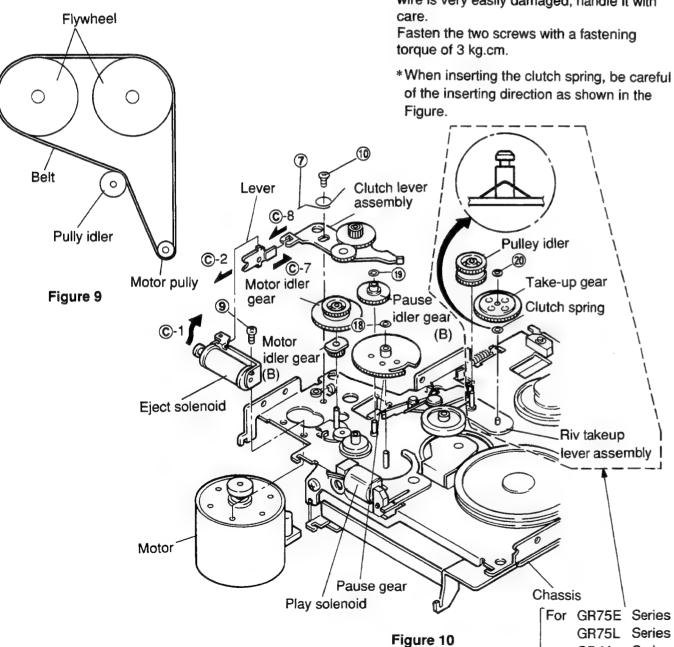
3. Replacement of the mounting parts on the rear of the main chassis

- a. Replacement of the belt
 - (1) After removing the bottom cover, remove the belt.
 - (2) Clean the new belt with absolute alcohol, and fix it as shown in Figure 9.

Note: When fixing the belt, make sure that it is not twisted or dirty. When removing the belt, do not turn up the front of the chassis.

- b. Replacement of the motor
 - (1) After removing the belt, remove spring (7) as shown in Figure 10.
 - (2) Remove solder (8)-1, and remove the parallel wire (5P) from the control P.C. board as shown in Figure 11.
 - (3) Remove two screws (3) and (10), and remove the motor, taking care not to damage the motor idler gear. (Refer to Figure 10.)
 - (4) Mount the new motor following the removal steps in the reverse order.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Since the parallel wire is very easily damaged, handle it with care.

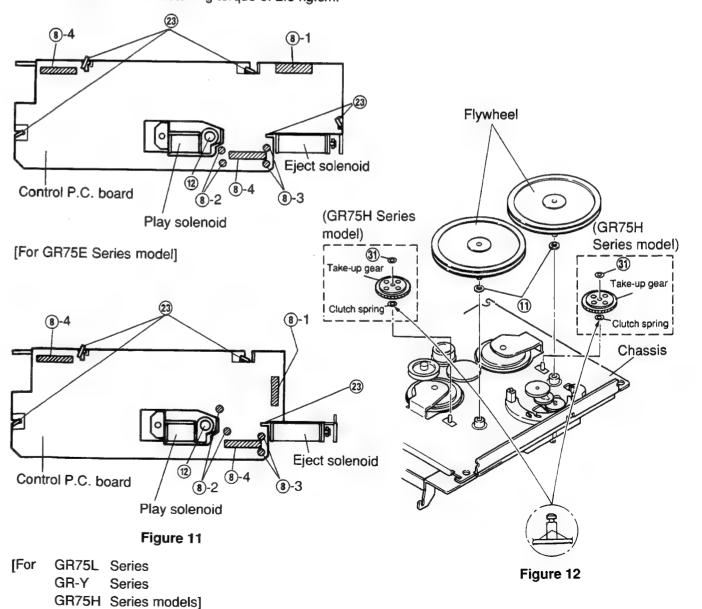


- c. Replacement of the flywheels
 - (1) After removing the belt, pull out the two flywheels. Take care not to loose the polyslider washer (1) located between the flywheel and the chassis. (Refer to Figure 12.)
 - (2) Fix the polyslider washer to the new flywheel and mount the flywheel to the chassis.
- d. Replacement of the play solenoid
 - (1) Remove the two solders (8)-2 as shown in Figure 11.
 - (2) Remove one screw ② and remove the solenoid as shown in Figure 11.
- (3) Mount the new solenoid following the removal steps in the reverse order.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Fasten the screws with a fastening torque of 2.3 kg.cm.

- e. Replacement of the eject solenoid
- (1) Remove two solders ®-3. Take care not to loose the tube that protects the wire. (Refer to Figure 11.)
- (2) Remove screw (9) and remove the solenoid as shown in Figure 10.
- (3) Align position ©-1 of the new solenoid with position ©-2 of the lever and fasten the screw as shown in Figure 10.
- (4) Lead the wire through the tube and solder it.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Fasten the screws with a fastening torque of 3 kg.cm. As the solenoid wires are not insulated, do not let them cross each other.



Series

GR-Y

models

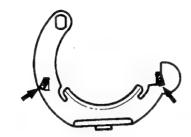
f. Replacement of gears

- (f-1) Replacement of the reverse idler gear
- (1) Remove M1.2 lock washer (3), pull it up from the stud of the chassis and remove the gear as shown in Figure 13.
- (2) Remount following the removal steps in the reverse order.
- (f-2) Replacement of the sun gear
- (1) Remove M1.2 lock washer (4), pull it up from the stud of the chassis and remove the gear as shown in Figure 13.
- (2) Mount it, following the removal steps in the reverse order.
- (f-3) Replacement of the fixing gear
- (1) Adjust the two mounting claws for the fix gear on the chassis (§) and remove the section (©-3 of the gear by pulling it up in the direction of the arrow shown in Figure 13.
- (2) Insert the section ©-4 of the new gear into the chassis, and mount it following the removal steps in the reverse order as shown in Figure 13.
- (f-4) Replacement of the reverse lever assembly and planet gear
- (1) Remove both the fixing gear and the sun gear and remove the reverse lever assembly as shown in Figure 13.
- (2) Remove M1.7 lock washer (6) and remove the planet gear as shown in Figure 14.
- (3) Mount the new planet gear and reverse lever following the removal steps in the reverse order.

Notes on f-1 through f-4:

After mounting all parts, check if the reverse lever moves in the directions marked ©-5 when the reverse gear is turned clockwise and counterclockwise.

*After mounting the fixing gear, bend the claws (5) into the form of as shown in the Figure.



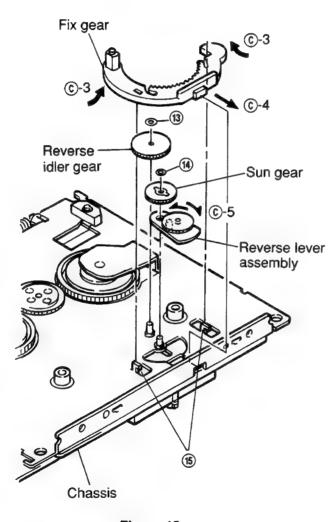


Figure 13

- (f-5) Replacement of the clutch lever assembly and eject idler gear
 - After removing the motor, remove the motor idler gear and the motor idler gear (B) and remove the clutch lever assembly as shown in Figure 10.
- (2) Remove M1.2 lock washer ① and remove the eject idler gear as shown in Figure 15.
- (3) Mount the new gears and clutch lever following the removal steps in the reverse order.

Note: When mounting the gears to the lever, apply grease (PG-671) to the position ©-6 as shown in Figure 15. Align the position ©-7 with the position ©-8 and mount the clutch lever as shown in Figures 10 and 15.

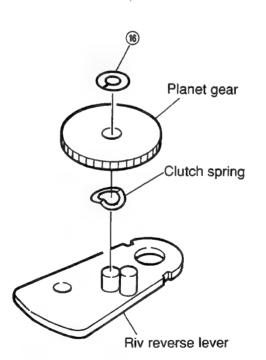
- (f-6) Replacement of the pause gear
- (1) Remove M1.2 lock washer (3) and remove the pause gear pulling it up from the stud of the chassis as shown in Figure 10.
- (2) Mount the new gear following the removal steps in the reverse order.

- (f-7) Replacement of the pause idler gear (B)
 - (1) After removing the motor and the motor idler gear, remove M1.2 lock washer (19) and remove the gear by pulling it up from the stud of the chassis as shown in Figure 10.
 - (2) Mount the new gear by following the removal steps in the reverse order.
- (f-8) Replacement of the take-up gear
 - (1) After removing the belt and the pulley idler gear, remove M1.2 lock washer ② by pulling it up from the stud of the riv take-up lever assembly as shown in Figure 10.

 After removing the Flywheel, remove M1.2 lock washer ③ and remove the gear by pulling it up from the stud of the chassis as shown in figure 12. [For GR75H Series model]
- (2) Remount the take-up gear following the removal steps in the reverse order.

Notes on f:

Do not reus e the used washers. Take care to avoid damage by piercing and tearing.



[Disassembly Reverse Lever Assembly]

Figure 14

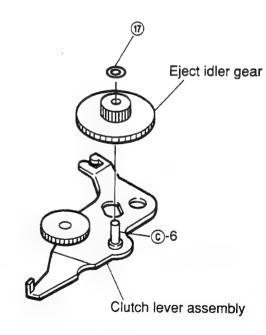


Figure 15

4. Replacement of the parts mounted on the front of the main chassis

- a. Replacement of the audio P.C. board
 - (1) Remove two solders ② and remove the parallel wire (7P) and the head P.C. board as shown in Figure 16.
 - (2) Adjust the two claws ② to the rectangular holes on the P.C. board and remove the P.C. board as shown in Figure 16.
 - (3) After replacement, mount the new P.C. board following the removal steps in the reverse order.

Note: The head P.C. board and the parallel wire are easily damaged. Handle them with care. Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Do not bring the soldering iron near the head P.C. board.

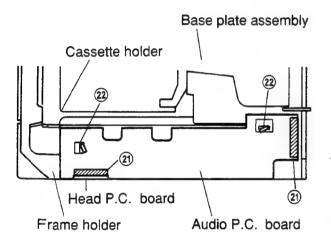


Figure 16

- b. Replacement of the control P.C. board
- (1) Remove seven solders (8) and remove the three parallel wires and the wires of the eject solenoid and of the play solenoid as shown in Figure 11.
- (2) Remove five claws ② and remove the P.C. board as shown in Figure 11. [For GR75E Series model] Remove four claws ② and remove the P.C. board as shown in Figure 11. [For GR75L Series, GR-Y Series, GR75H Series models]
- (3) After replacing the old P.C. board with a new one, mount it following the removal steps in the reverse order.

Note: As mentioned in Item 4-a, handle the parallel wires carefully, and be sure that the temperature of the soldering iron and the soldering time are proper. As the wires of the eject solenoid are not insulated, do not let them cross each other.

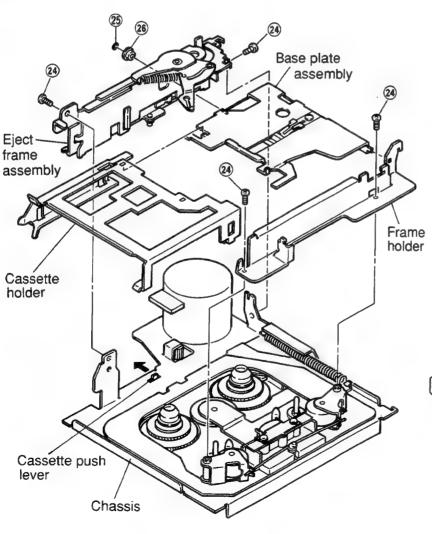


Figure 17

- c. Disassembly and assembly of the cassette holder
- (1) Remove four screws ② and remove the eject frame assembly and the frame holder as shown in Figure 17.
- (2) Remove M1.2 lock washer (2) and plate base roller (26) and remove the cassette holder and the base plate assembly as shown in Figure 17.
- (3) Remount them following the removal steps in the reverse order.

Notes: 1. When mounting the cassette holder and the base plate, insert the slider shaft into the eject arm and fix them turning the slider shaft in the direction indicated by the arrow in the figure. Make sure that the cassette holder and the base plate are in the cassette-in mode during this operation. (Refer to Figure 18).

- When mounting the eject frame assembly, push the cassette push lever in the direction indicated by the arrow in the Figure 17.
- When mounting the base plate
 assembly and the eject frame
 assembly, or when mounting the eject
 frame assembly to the chassis, do not
 apply excessive force to avoid
 deformations of the eject arm and the
 frame.

 Do not reuse the used washers. Take care to avoid damage by piercing and tearing.



- (1) Remove M1.7 two lock washers ② (Refer to figure 19).
- (2) Move the select lever in the direction marked ①-1 in the Figure and remove the reel by gripping the reel gear as shown in Figure 19.
- (3) After replacement, mount the new reels following the removal steps in the reverse order
- (4) After mounting, check the tape speed and the wow and flutter with test tape MTT-111.

Note: Since the reel is easily loosened if the cap is gripped, always handle it gripping the gear. Do not reuse the used washers. Take care to avoid damage by piercing and tearing.

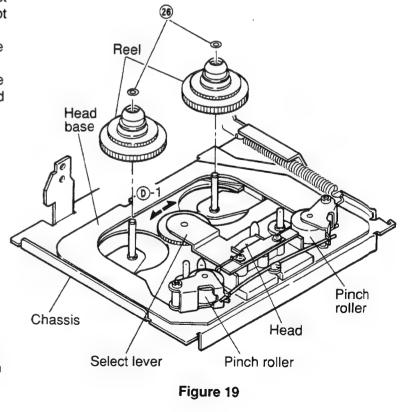


Figure 18

Slider

CAMPAINING TO

Eject arm

Base plate

- e. Replacement of the pinch rollers
- (1) Remove pinch roller spring ② as shown in Figure 20.
- (2) Remove M3.1 two lock washers ② and remove the pinch roller as shown in Figure 20.
- (3) Mount the pinch rollers following the removal steps in the reverse order.

 Apply insulation coating to the position ①-2 of the pinch roller as shown in Figure 20.

Note: Make sure that the pinch rollers are thoroughly fixed and that they are not deformed. Do not reuse used lock washers. Take care to avoid damage by piercing and tearing.



- (1) After removing the pinch roller spring, remove two screws (3) as shown in Figure 21.
- (2) Remove solder ⓐ and remove the head from the head P.C. board as shown in Figure 22.
- (3) After replacement, mount the new head following the removal steps in the reverse order.

Notes: 1. Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Do not bring the soldering iron near the head P.C. board. Make sure that the head P.C. board is not lifted.

 Fasten the two screws with a fastening torque of 2.3 kg.cm. Note that the tension of the head spring can be decreased if the screws are fastened too strongly.

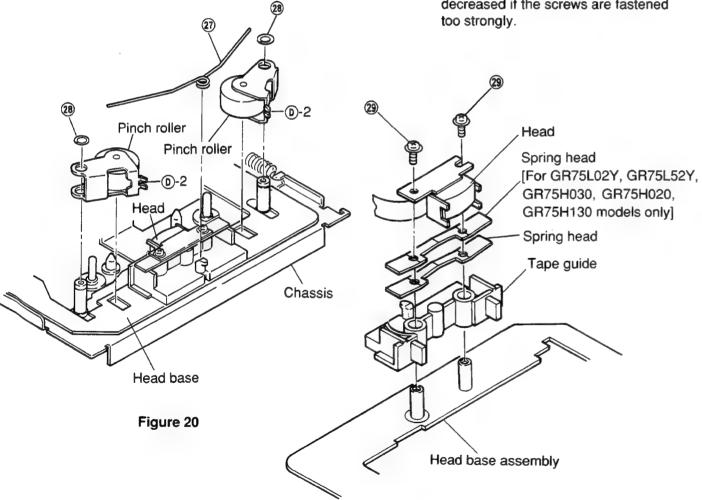
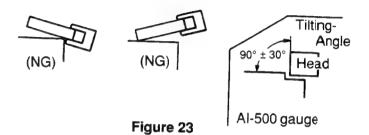


Figure 21

- (4) Adjust the height of the head as shown in Figures 23, 24 and 25.
- ① Place the height adjustment gauge (AI-500) on the head base, and adjust the height so that the check bar fits in the tape head guide smoothly.
- When the check bar touches the top (or bottom) of the tape guide, insert a spacer (t 0.1 mm or polislider washer t 0.13 mm). If necessary, remove the spacer.

Note: If you do not have a height gauge like described in (4)-1, run the tape at normal speed and adjust the height of the head and the tape head guide so that the tape does not curl.

(5) After having assembled the complete mechanism, adjust the angle of the head with test tape MTT-113C. (Refer to chapter "Adjustment of the head angle".) After the adjustment, apply the screw lock and fix the screws.



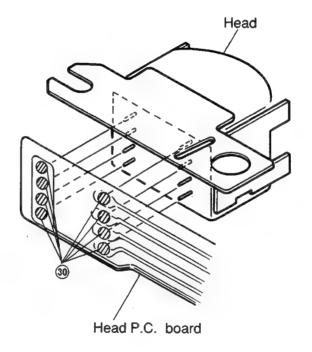


Figure 22

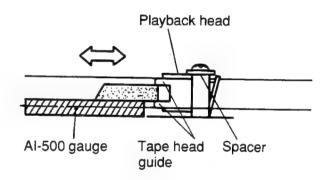
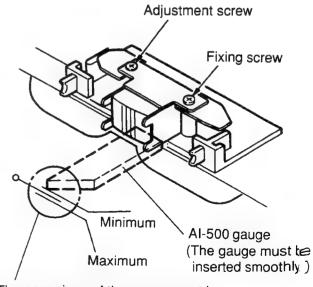


Figure 24

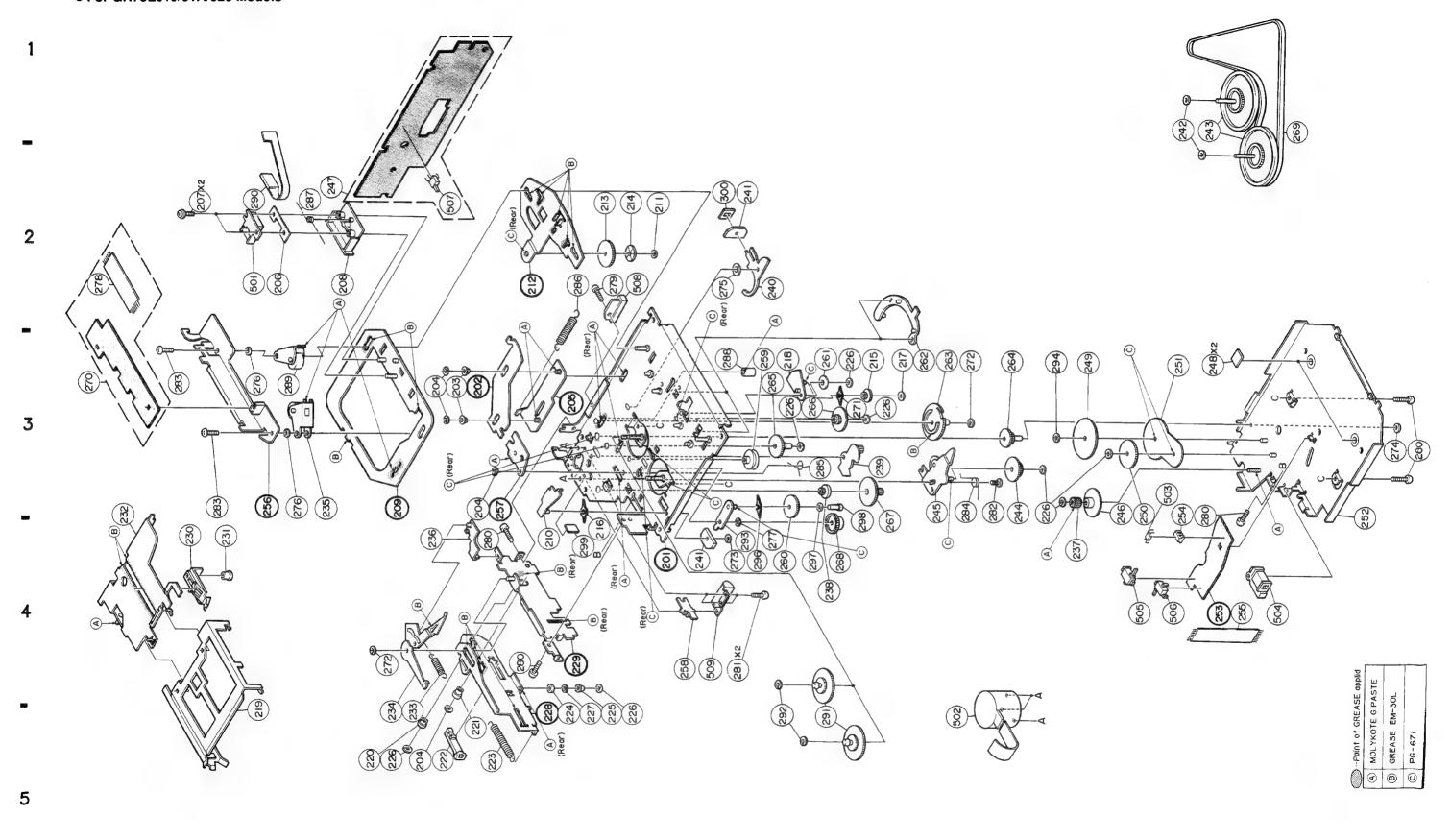


The nosepiece of the gauge must be between the minimum and maximum positions.

Figure 25

Exploded View (GR75E Series) (1/4)

● For GR75E010/01A/020 Models



- 17 -A B C D E F G F

Cassette Deck Assembly Parts List (GR75E Series) (1/4)

Symbol No.	IN- dex	Part No.	Description
203	3-C	43A11072W01	Roller, Sub Head
204	" "	04B41345P01	Washer, Lock(M1.2)
206	2-B	41A31756W01	Spring, Head
		1	Screw. F-Locks (M2x4)
207	2-B	03S40019G03	
208	2-B	43B12545W01	Tape. Guide
210	4-C	01A10206W01	Assy Riv Lever R/F Sol
211	2-D	04B41345P29	Washer, Lock(M2.6)
213	2-D	44A10295W01	Gear. Sensor
214	2-D	14A10681W01	Reflector
215	3-E	44A30480W01	Gear, Planet
		11100100100	
216	3-E	41A10097W02	Spring, Clutch
217	3-E	04B41345P35	Washer, Lock(M1.7)
218	3-E	01A30824W01	Assy., Riv Lever Reverse
219	4-B	07B40283W01	Holder, Cassette
219	4-B	07B40283W01	Holder, Cassette
_ 213	"	01040200#01	lioraet / cassette
▲ 219	4-B	07B10074W01	Holder, Cassette
220	5-B	43A12583W01	Roller. Eject
221	5-C	43A63281F01	Roller, Plate Base
222	5-C	44A82206F01	Rack
223	5-C	41B10386W03	Spring, GR(Rack)
224	4-C	43A10121W01	Roller. Eject A
225	4-D	43A10360W01	Roller, Eject B
226		04B41345P11	Washer, Lock(M1.2)
227	4-D	43A12377W01	Roller, Eject C
230	4-A	45B10376W01	Slider
231	4-B	47A63278F01	Shaft, Slider
232	4-A	01A10212W01	Assy. Riv Plate Base
233	1	41B10386W01	Spring, Eject Arm
1	4-B		Assy., Riv Eject
234	4-5	01A10148W01	ASSY. KIV EJECT
235	3-B	01B30863W02	Assy. Pinch Roller
236	4-C	45A10087W01	Lever Pack In SW
237	1	44A12975W01	Pinion, Eject
238	4-E	44A13617W01	Gear, Motor Idler(B)
239	3-E	01A10201W02	Assy. Riv Lever
240	2-D	45A40725W01	Pause Lever, Play Sol
241		76T10374W01	Chip
242	1-G	04S40075C05	Washer Polystider (M2.1)
243	1-6	01A10368W01	Assy., Flywheel
244		44A10141W01	Gear. Eject Idler
245	3-E		Assy., Riv Lever
243	J-E	01/10/20/10/2	Clutch A
	1		

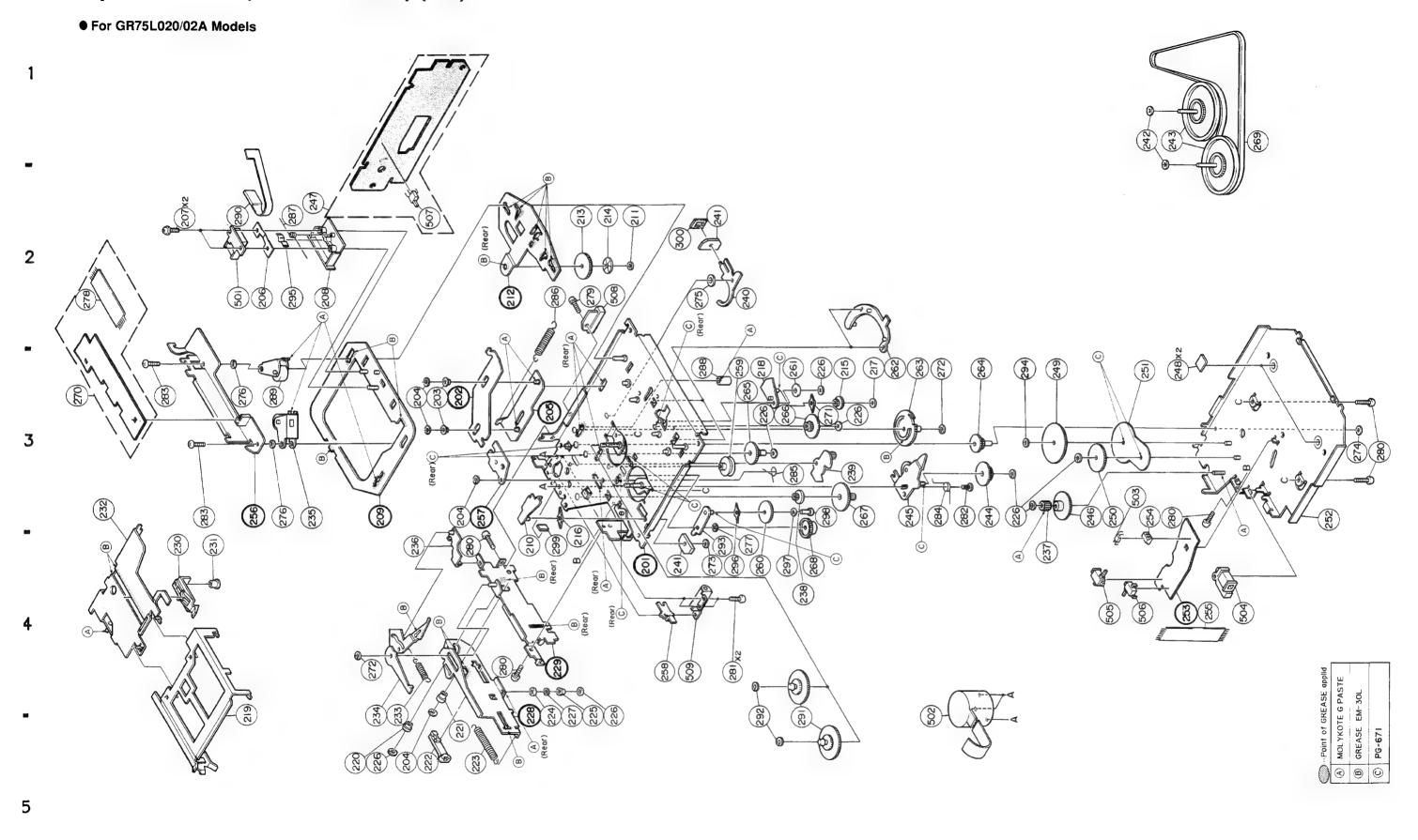
	•		, , ,
		e: The parts w	ithout parts list are not supplied.
Symbol	11/1	Part No.	Description
No.	dex		
246	3 - F	44A10145W01	Gear. Eject
247	7 2-B	01V11500W18	Assy GR Control
			P.C. Board
248	3 3-G	43A41656W01	Spacer. UHMW
249	9 3-F	44A11063W01	Gear, Bottom A
250	3-F	44A11064W01	Gear, Bottom B
ļ	Wall of the Control o		
25	1 3-G	34A11122W02	Washer. GR
253	2 3 - H	01A10210W02	Assy., Riv. Cover Bottom
254	4 3-G	15B11065W01	Guide, Photo
255	5 4-G	30T15126W01	Wire, PC Sensor(7P)
258	8 4-D	45A10101W01	Lever. Eject Sol
259	9 3-D	49A10131W01	Pulley. Idler
26	0 4-E	44A10133W01	Gear. Take Up
26	1 3-E	44A10134W01	Gear. Sun
26		44B10135W01	Gear, Fix
26	3 3-E	44B30484W01	Gear. Pause
26	4 3-F	44A10137W01	Gear. Pause Idler A
26	5 3-D	44A10379W01	Gear. Pause Idler B
26	6 3-E	44A10138W01	Gear. Reverse Idler
26	7 3-E	44A10139W01	Gear. Motor Idler
26	8 4-E	44A11062W01	Gear. Reel Idler
	ì		
26	9 1-G	42A10380W01	Belt. GR
27	0 3-A	01V14700W68	Assy GR Audio
			P.C. Board
2 7	0 3-A	01V11500W19	Assy GR Audio
			P.C. Board
▲ 27	0 3-A	01V11500W19	Assy., GR Audio
İ			P.C. Board
27	1 3-E	41A30475W01	Spring, Clutch
27	2	04B41345P15	Washer, Lock (M1.2)
27	3 4-D	04B41345P02	Washer, Lock(M1.7)
27	4 3-11	04B41345P17	Washer, Lock (M1)
27	5 2-D	04B41345P30	Washer, Lock (M3.1)
27	6	04B41345P32	Washer, Lock (M3.1)
27	.	04B41345P37	Washer, Lock (M2.1)
27		30T15126W02	Wire. PC Joint 7P
27	1	03S44205G78	Screw. Pan(M2x6)
28	!	03S44205G30	Screw. Pan(M2.6x4)
28	1 4-D	03S72235F53	Screw. Pan(M2x3.3)
		00410100100	Cook Pines Olivich
28	2 3-F	03A12132W02	Screw. Eject Clutch
		00040007004	(M2x2.3)
28		03S43997P64	Screw. Pan(M1.7x3)
28		41A10384W01	Spring Coo Push
28		41A10385W01	Spring. Cas Push
28	6 2-C	41B10386W02	Spring, Sub Head
		L	1

ymbol	1 N-	Part No.	Description
No.	dex	rait NO.	Description
287	2-B	41A10387W01	Spring. Pinch Roller
288 -	3-D	43A12719W01	Roller, Pause
289	3-B	01B30863W01	Assy Pinch Roller
290	2-B	84T25151W01	Head P.C. Board
291	4-E	01T35403W01	Assy., Reel
292	4-E	04B41345P12	Washer, Lock(M1.7)
293	4-D	01A30161W01	Assy Riv Lever
			Take Up
294	3-F	04B41345P34	Washer Lock (M1.2)
296	4-D	41A40910W01	Spring. Clutch
297	4-E	43A41543W01	Washer, Som (M1.2)
000	2 -	A7AALAERUO1	Die Toke (In
298	3-E	47A41458W01	Pin. Take Up
299	4-C	43A40388W01	Spacer, Polyslider
300	2-D	43A41744W01	Lock, Solemoid
		ļ	
		Misc	ellaneous
	,		
501	2-B	88T15971W01	Head
501	2-B	88T10373W01	Head
501	2-B	88T10373W01	Head
502	4-E	01V11500W64	Assy. Motor(Main. 13.2V-80mA)
503	3-G	51T15144W01	Sensor. Photo
504	4-G	01T10371W01	R/F Sol. Assy.
505	4-G	40T15382W01	SW. Detector
300	4-1	40113302#01	(Pack Down)
506	4-G	40T15382W01	SW. Detector(Metal)
- 1	1		
507	2-C	40T15222W01	SW Detector (Pack In)
508	2-D	01T15249W01	Assy. Play Solenoid
""		02.10010101	
509	4-D	01T10369W02	Assy., Eject Solenoid
1			
	1		
İ		1	1

Notes: ● : For GR75E020 model only ■ : For GR75E010 model only

^{▲ ;} For CR75E01A model only Others ; Common

Exploded View (GR75L Series) (2/4)



Cassette Deck Assembly Parts List (GR75E Series) (2/4)

Symbol] N-	Part No.	Description
No. 203	dex 3-C	43A11072W01	Roll, Sub Head
203	3.0	04B41345P01	Washer, Lock(M1.2)
204	2-B	41A31756W01	Spring, Head
1			
207		03S40019G03	Screw F-Locks (M2x4)
208	2-B	43B12545W01	Tape. Guide
210	4-C	01A10206W01	Assy., Riv Lever R/F Sol.
211		04B41345P29	Washer, Lock(M2.6)
213		44A10295W01	Gear. Sensor
214	2-D	14A10681W01	Reflector
215	1	44A30480W01	Gear. Planet
216	3-E	41A10097W02	Spring, Clutch
217	3-E	04B41345P35	Washer, Lock(M1.7)
		04B41345P35 01A30824V01	Assy., Riv Lever
218	3-E	ULW90054#0T	
210			Reverse
219		07B40283W01	Holder, Cassette
220	5-B	43A12583W01	Roller, Eject
221		43A63281F01	Roller, Plate Base
222		44A82206F01	Rack
223		41B10386W03	Spring. GR(Rack)
224		43A10121W01	Roller. Eject(A)
225	4-D	43A10360W01	Roller. Eject(B)
226		04B41345P11	Washer, Lock(MI.2)
226	4-D	43A12377W01	Roller, Eject(C)
			Koller, Eject(C) Slider
230	4-A	45B10376W01	Slider Shaft, Slider
231	4-B	47A63278F01	1 " "
232	4-A	01A10212W01	Assy., Riv Plate Base
233		41B10386W01	Spring. Eject Arm
234	4-B	01A21754W01	Assy Riv Eject
			Arm(A)
235	3-B	01B30863W02	Assy Pinch Roller
236	4-C	45A10087W01	Lever. Pack in SW.
237	4-F	44A20314W01	Pinion. Eject
238	4-E	44A13617W01	Gear, Motor Idler(B)
239	3-E	01A10201W02	Assy. Riv Lever
200		OTUTACATUA	Pause
240	2-E	45A40725W01	Lever. Play Sol
241	7	76T10374W01	Chip
242	1-G	04S40075G05	Washer. Polyslider
	••	0.0.0.0	(M2.1)
042	1-G	01410268801	Assy., Flywheel
243		01A10368W01	1
244	3-F	44.10141.001	Gear. Eject Idler
245	3-E	01A10205W02	Assy Riv Lever Clutch(A)
246	3-F	44A10145W01	Gear. Eject
247	2-B	01V23700W03	Assy. GR Control
1	· -	V1100	P.C. Board

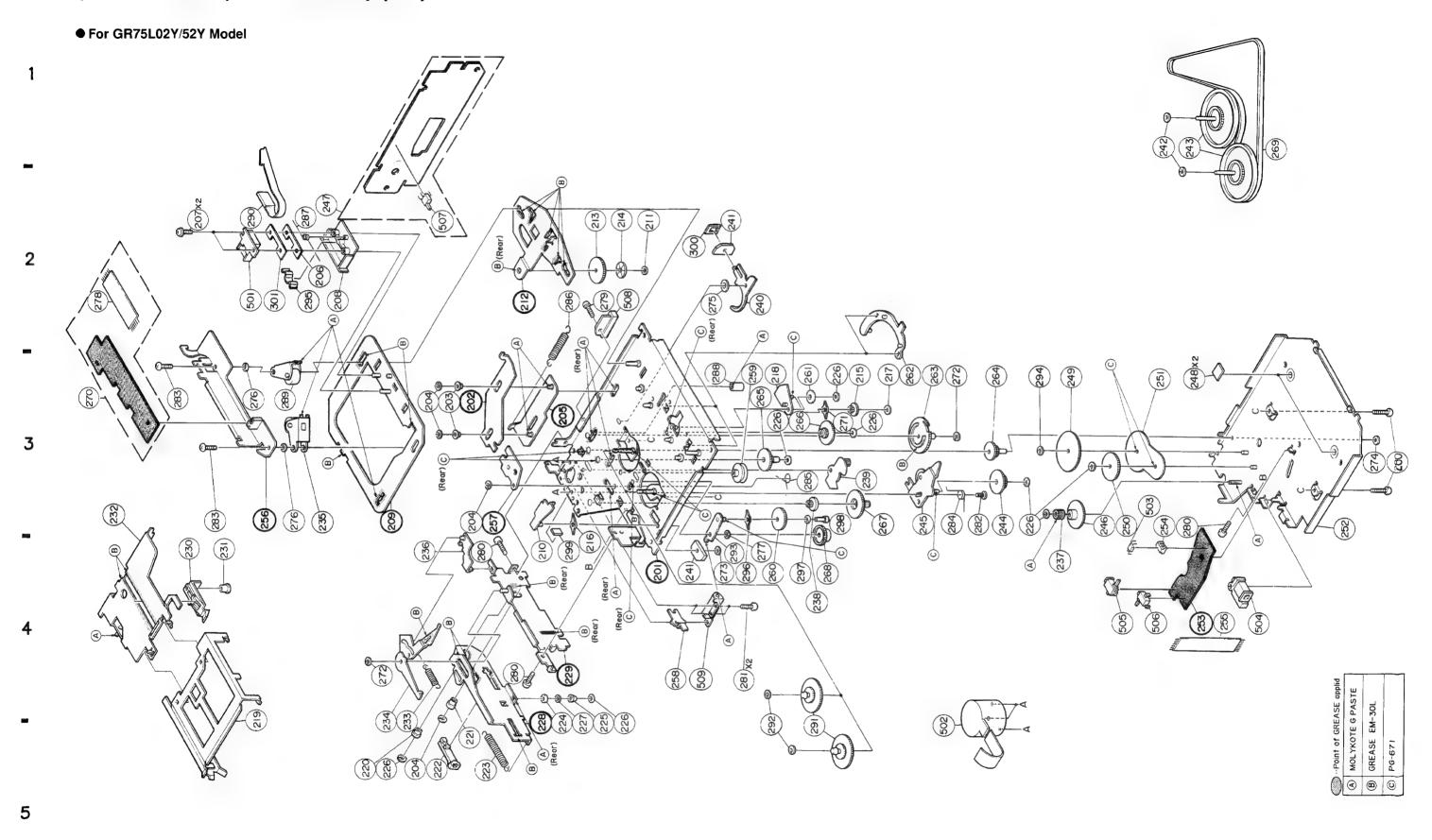
Note: The parts without parts list are not supplied.					
Symbol	IN-	Part No.	Description		
No.	dex	rart NO.	Description		
248	3-G	43A41656W01	Spacer. UHMW		
249	3-F	44A11063W01	Gear. Bottom(A)		
250	3-F	44A11064W01	Gear. Bottom(B)		
251	3-G	34A11122W02	Washer, GR		
252	3-H	01A10210W02	Assy., Riv. Cover Bottom		
į					
254	3-G	15B11065W01	Guide, Photo		
255	4-G	30T15126W01	Wire. PC Sensor(7P)		
258	4-D	45A10101W01	Lever, Eject Sol.		
259	Į.	i .	Pulley, Idler		
260	[l	Gear. Take Up		
			•		
261	3-E	44A10134W01	Gear. Sun		
262	3-E	44B10135W01	Gear, Fix		
263	3-E	44B21670W01	Gear. Pause		
264	3-F	44A10137W01	Gear. Pause Idler(A)		
265	1		Gear. Pause Idler(B)		
266	3-E	44A10138W01	Gear. Reverse Idler		
267	3-E	44A10139V01	Gear, Motor Idler		
268	4-E	44A11062W01	Gear, Reel Idler		
269	1		Belt. GR		
270	1	01V14700V68	Assy., CR Audio		
			P.C. Board		
271	3-E	41A30475W01	Spring. Clutch		
272	3-F	04B41345P15	Washer, Lock (M1.2)		
273	4-D	04B41345P02	Washer, Lock(M1.7)		
274	3-H	04B41345P17	Washer, Lock(MI)		
275	2-D	04B41345P30	Washer, Lock(M3.1)		
276		04B41345P32	Washer, Lock(M3.1)		
277	4-E	04B41345P37	Washer, Lock(M2.1)		
278	2-A	30T15126W02	Wire. PC Joint 7P		
279	2-D	03S44205G78	Screw. Pan(M2x6)		
280		03S44205G30	Screw, Pan(M2.6x4)		
281	4-1)	03S72235F53	Screw. Pan(M2x3.3)		
282	3-1	03A12132W02	Screw. Eject Clutch		
			(M2x2.3)		
283		03S43997P64	Screw. Pan(M1.7x3)		
284	3-F	41A10384W01	Spring, Eject Clutch		
285	3-E	41A10385W01	Spring. Cas. Push		
		_			
286	2-C	41B10386%02	Spring, Sub Head		
287	2-B	41A10387W01	Spring. Pinch Roller		
288	3-D	43A12719W01	Roller. Pause		
289	3-B	01B308G3W01	Assy. Pinch Roller		
290	2-B	84T25151W01	Head P.C. Board		
		İ			
	}				
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Syı	nbol	1 N-	Part No.	Description
	No.	dex		-
- 1	291	4-E	01T35403W02	Assy., Reel
	292	4-E	04B41345P12	Washer, Lock (M1.7)
	293	4-D	01A30161W01	Assy Riv Lever
				Take Up
	294	3-F	04B41345P34	Washer, Lock (M1.2)
	295	2-B	26A20537W01	Shield, Plate
	296	4-D	41A40910W01	Spring, Clutch
	297		43A41543W01	Washer Som (M1.2)
	298		47A41458W01	Pin. Take Up
	l .			Spacer, Polyslider
	299		43A40388W01	
	300	2-D	43A41744W01	Lock. Solenoid
		ĺ		
			Misc	ellaneous
	501	2-B	88T15971W01	Head
•		4-E	01V23900W60	Assy. Motor(13.2V-105mA)
0		4-E	01V43400W37	Assy., Motor(13.2V-88mA)
	503	3-G		Sensor, Photo
	504	4-G	01T10371W01	R/F Sol. Assy
	004	"	27170017401	
	505	4-F	40T15382W01	SW. Detector (Pack Down)
	506	1		Sw. Detector (Metal)
	507		40T15222W01	SW. Detector (Pack In)
	'	[Assy. Play Solenoid
	508	2-D	01T15249W01	
	509	4-D	01T10369W02	Assy., Eject Solenoid
	İ			
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Notes : ♦ ; For CR75L020 model only O ; For CR75L02A model only

Others ; Common

Exploded View (GR-Y Series) (3/4)



- 25 -- 26 -A B C D B F D

Cassette Deck Assembly Parts List (GR-Y Series) (3/4)

Note: The parts wi	ithout parts lis	st are not supplied.
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	l	Tiv	I	Υ
S	mbol No	IN-	Part No.	Description
-	No.	dex 3-C	43A11072W01	Roll. Sub Head
	204	3-0	04B41345P01	Washer Lock (M1.2)
	206	2-B	41A31756W01	Spring. Head
	207	2-B	03S40019G03	Screw. F-Locks (M2x4)
	208	2-B	43B12545W01	Tape. Guide
	200	2~D	43012343#01	Tape: Guide
1	210	4-C	01A10206W01	Assy Riv Lever R/F
	510	1	011110200101	Sol.
	211	2-D	04B41345P29	Washer, Lock (M2.6)
	213	2-D	44A10295W01	Gear, Sensor
	214	2-D	14A10681W01	Reflector
	215	3-E	44A30480W01	Gear, Planet
	220	"	411100100101	ooal. Tanot
	216		41A10097W02	Spring, Clutch
	217	3-E	04B41345P35	Washer, Lock(M1.7)
	218	3-E	01A30824W01	Assy., Riv Lever
				Reverse
	219	4-B	07B40283W01	Holder, Cassette
	220	5-B	43A12583W01	Roller, Eject
			10002000000	
	221	5-C	43A63281F01	Roller, Plate Base
	222		44A82206F01	Rack
	223		41B10386W03	Spring, GR(Rack)
	224	1	43A10121W01	Roller, Eject(A)
	225	4-D	43A10360W01	Roller, Eject(B)
		•	10.1110000	
	226		04B41345P11	Washer, Lock (M1.2)
	227	4-D	43A12377W01	Roller, Eject(C)
	230		45B10376W01	Slider
	231	1	47A63278F01	Shaft, Slider
ł	232	4-A	01A10212W01	Assy., Riv Plate Base
l				
	233	4-C	41B10386W01	Spring, Eject Arm
	234	4-B	01A21754W01	Assy., Riv Eject
		-		Arm(A)
	235	3-B	01B30863W02	Assy., Pinch Roller
	236	4-C	45A10087W01	Lever, Pack in SW.
	237	4-F	44A20314W01	Pinion, Eject
	238	4-E	44A13617W01	Gear, Motor Idler(B)
1	239	3-E	01A10201W02	Assy., Riv Lever
				Pause
1	240	2-D	45A40725W01	Lever, Play Sol.
	241		76T10374W01	Chip
1	242	1-G	04S40075G05	Washer, Polyslider
				(M2.1)
	243	1-G	01A10368W01	Assy Flywheel
	244	3-F	44A10141W01	Gear. Eject Idler
	245	3-E	01A10205W02	Assy Riv Lever
				Clutch(A)
	246	3-F	44A10145W01	Gear. Eject
☆	247	2-B	01V23700W03	Assy GR Control
				P.C. Board

C.,	-b1		e:The parts v	vithout parts list are not supplied.
	mbol No.	l N- dex	Part No.	Description
\rightarrow	247		01V44200W74	Assy. GR Control P.C. Board
	248	3-G	43A41656W01	Spacer, UHMW
	249	3-F	44A11063W01	Gear. Bottom(A)
	250	3-F	44A11064W01	Gear. Bottom(B)
	251	3-G	34A11122W02	Washer, GR
	252	3-H	01A10210W02	Assy. Riv. Cover Bottom
	254	3-G	15B11065W01	Guide, Photo
İ	255	4-G	30T15126W01	Wire, PC Sensor(7P)
	258	4-D	45A10101W01	Lever, Eject Sol.
	259	3-D	49A10131W01	Pulley, Idler
	260	4-E	44A10133W01	Gear. Take Up
	261	3-E	44A10134W01	Gear, Sun
	262	3-E	44B10135W01	Gear, Fix
	263	3-E	44B21670W01	Gear, Pause
ı	264		44A10137W01	Gear. Pause Idler(A)
Į				3300
	265	3-D	44410379W01	Gear, Pause Idler(B)
	266		44A10138W01	Gear, Reverse idler
	267		44A10139W01	Gear, Motor Idler
-	268		44A11062W01	Gear, Reel Idler
	269		42A10380W01	Belt. GR
1	200	1 0	42/110000#01	Deret da
	270	3-A	01V33300W03	Assy., GR Audio
			01,100000,00	P.C. Board
	271	3-E	41A30475W01	Spring, Clutch
-	272	3-F	04B41345P15	Washer, Lock (M1.2)
	273		04B41345P02	Washer Lock (MI.7)
	274	3-H	04B41345P17	Washer Lock (MI)
		·	01011010111	Habitet - Bock (III)
	275	2-D	04B41345P30	Washer, Lock(M3.1)
	276		04B41345P32	Washer Lock (M3.1)
	277	4-E	04B41345P37	Washer, Lock (M2.1)
- 1	278	2-A	30T15126W02	Wire. PC Joint 7P
	279	2-D	03S44205G78	Screw. Pan(M2x6)
	5.0		00011500010	oolow landing
	280		03S44205G30	Screw. Pan(M2.6x4)
		4-D	03S72235F53	
	282	1 1	03A12132W02	
	202	'	-3111 01 V 0 H V 0	(M2x2.3)
	283		03S43997P64	, ,
	284	3-F	41A10384W01	Spring. Eject Clutch
	201			ALTHO, Share available
	285	3-E	41A10385W01	Spring. Cas. Push
	1			Spring. Sub Head
		1	41A10387W01	
	288			Roller. Pause
	289			Assy., Pinch Roller
	290	2-B	84T35271W01	Head P.C. Board

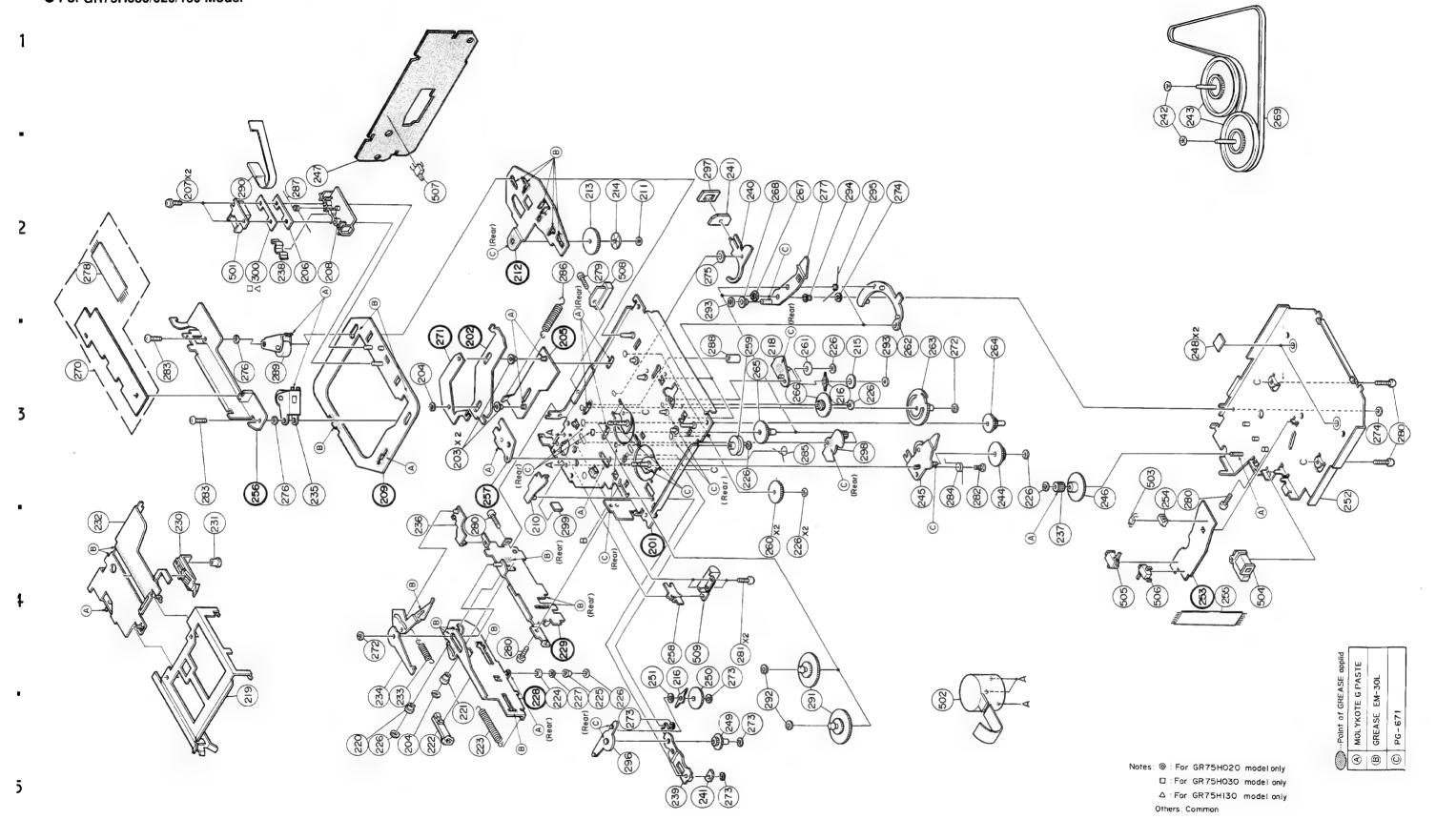
-	mbol No.	IN- dex	Part No.	Description
	291	4-E	01T35403W02	Assy. Reel
	292	4-E	04B41345P12	Washer, Lock (M1.7)
	293	4-D	01A30161W01	Assy. Riv Lever
	293	4-0	OLVOOLOLMOT	_
				Take Up
	294	3-F	04B41345P34	Washer, Lock (M1.2)
	295	2-B	26A20537W01	Shield, Plate
	000	4-D	41A40910W01	Spring, Clutch
	297	4-E	43A41543W01	Washer, Som (M1.2)
	298	3-E	47A41458W01	Pin. Take Up
	299	3-C	43A40388W01	Spacer, Polyslider
	300	2-D	43A41744W01	Lock. Solenoid
	301	2-B	41A41416W01	Spring. Head
			Misc	ellaneous
	501	2-B	88T15971W01	Head
☆	502	4-E	01V23900W60	Assy Motor(13.2V-105mA)
0	502	4-E	01V44200W73	Assy., Motor(13.2V-80mA)
		3-G	51T15144W01	Sensor, Photo
	504	4-G	01T10371W01	R/F Sol. Assy
	001	" "	01110011#01	11/1 501. 11557
	505	4-F	40T15382W01	SW., Detector (Pack Down)
		4-G	40T15382W01	SW., Detector (Metal)
	507	2-C	40T15222W01	SW. Detector (Pack In)
	508	2-D	01T15249W01	Assy. Play Solenoid
	509	4-D	01T10369W02	Assy. Eject Solenoid
	203	4-0	01110303#02	ASSY., Eject Sofellord
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Notes:☆; For CR75L02Y model only ◇; For CR75L52Y model only

Others ; Common

Exploded View (GR75H Series) (4/4)





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Cassette Deck Assembly Parts List (GR75H Series) (4/4)

211 2-D 04841345P29 Washer. Lot 213 2-D 44A10295W01 Gear. Sens 214 2-D 14A10681W01 Reflector 215 3-E 41A30475W01 Spring. C1 218 3-E 01A30824W01 Assy Riv 219 4-B 07B40283W01 Holder. Ca 219 4-B 07B40283W01 Holder. Ca 220 5-B 43A12583W01 Roller. Ej 221 5-C 43A63281F01 Roller. P1 222 5-C 44A82208F01 Rack 223 5-C 41B10386W03 Spring. GR 223 5-C 41B10386W03 Spring. GR 224 5-C 43A10121W01 Roller. Ej 225 5-D 43A10360W01 Roller. Ej 226 226 227 5-D 43A10360W01 Roller. Ej 226 227 5-D 43A12377W01 Roller. Ej 226 231 4-B 47A63278F01 Shaft. Sli 232 4-A 01A10212W01 Assy Riv 232 4-A 01A40212W01 Assy Riv 232 4-A 01A40212W01 Assy Riv 232 4-A 01A40212W01 Assy Riv 232 4-A 01A4024W01 Assy Riv 233 5-C 41B10386W01 Spring. Ej 233 5-C 41B10386W01 Spring. Ej 233 5-C 41B10386W01 Spring. Ej 234 5-C 01A30883W01 Assy Riv 234 5-C 01A30883W01 Assy Riv 234 5-C 01A30883W01 Assy Riv 235 3-B 01B30863W02 Assy Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Assy Riv 240 2-D 45A40725W01 Assy Riv 240 2-D 45A40725W01 Assy Riv 240 2-D 45A40725W01 Assy Riv 240 2-D 45A40725W01 Assy Riv 240 2-D 45A40725W01 Lever Pla 241 Totlography Chip	ription
204	
206 2-B 41A31756W01 Spring. He 207 2-A 03A38021W01 Screw. Flat 208 2-B 43B12545W01 Tape. Guid 210 4-C 01A30462W01 Assy Riv 211 2-D 04B41345P29 Washer. Lo Gear. Sens 214 2-D 14A10681W01 Gear. Sens Cear. Plan 215 3-E 44A30480W01 Gear. Plan 216 4-B 07B40283W01 Holder. Ca 219 4-B 07B40283W01 Holder. Ca 220 5-C 43A63281F01 Roller. Ej 221 5-C 44A82206F01 Rack 223 5-C 41B10386W03 Spring. GR 224 5-C 43A10121W01 Roller. Ej 225 5-D 43A10360W01 Roller. Ej 226 227 5-D 43A10360W01 Roller. Ej 226 5-D 43A10376W01 Roller. Ej 227 5-D 43A10376W01 Slider 231 4-B 47A63278F01 Shaft. Sli 232 4-A 01A10212W01 Assy Riv 232 4-A 01A10212W01 Assy Riv 232 4-A 01A10212W01 Assy Riv 232 4-A 01A10212W01 Assy Riv 232 4-A 01A4024W01 Assy Riv 232 4-A 01A4024W01 Assy Riv 233 5-C 41B10386W01 Spring. Ej 233 5-C 41B10386W01 Spring. Ej 234 5-C 01A30883W01 Assy Riv 235 3-B 01B30863W02 Assy Riv 234 5-C 01A30883W01 Assy Riv 235 3-B 01B30863W02 Assy Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Assy Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Assy Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Assy Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Assy Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Assy Riv 236 4-C 45A10087W01 Lever Pack 240 2-D 45A40725W01 Lever. Plack 242 1-G 04S40075G05 Washer. Po	Sub Head
207 2-A 03A38021W01 Screw. Flat 208 2-B 43B12545W01 Tape. Guid 210 4-C 01A30462W01 Assy. Riv 211 2-D 04B41345P29 Washer. Lc 213 2-D 14A10681W01 Gear. Sens 214 2-D 14A10681W01 Gear. Plan 215 3-E 44A30480W01 Gear. Plan 216	ock(M1.2)
208 2-B 43B12545W01 Tape. Guided 210 4-C 01A30462W01 Assy Riv 211 2-D 04B41345P29 Washer. Lot 213 2-D 14A10681W01 Gear. Sens 214 2-D 14A10681W01 Gear. Plan 215 3-E 44A30480W01 Spring. C1 218 3-E 01A30824W01 Assy Riv 219 4-B 07B40283W01 Holder. Ca 219 4-B 07B40283W01 Holder. Ca 220 5-B 43A12583W01 Holder. Ca 221 5-C 43A63281F01 Roller. Pl 222 5-C 44A82206F01 Rack 223 5-C 41B10386W03 Spring. GR 223 5-C 41B10386W04 Spring. GR 224 5-C 43A10121W01 Roller. Ej 225 5-D 43A12377W01 Roller. Ej 226 04B41345P11 Washer. Lo 227 5-D 43A12377W01 Roller. Ej 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Shaft. Sli 232 4-A 01A10212W01 Assy Riv 232 4-A 01A40024W01 Assy Riv 233 5-C 41B10386W01 Spring. Ej 234 5-C 01A30883W01 Assy Riv 235 4-C 01A30883W01 Assy Riv 237 4-F 44A20314W01 Assy Riv 238 5-C 01A30883W01 Assy Riv 239 5-D 01A40881W01 Assy Riv 239 5-D 01A40881W01 Assy Riv 239 5-D 01A40881W01 Assy Riv 240 2-D 45A40725W01 Lever Pack 241 242 1-C 04S40075005 Washer. Po	lead
208 2-B 43B12545W01 Tape. Guided 210 4-C 01A30462W01 Assy Riv 211 2-D 04B41345P29 Washer. Lot 213 2-D 14A10681W01 Gear. Sens 214 2-D 14A10681W01 Gear. Plan 215 3-E 44A30480W01 Spring. C1 218 3-E 01A30824W01 Assy Riv 219 4-B 07B40283W01 Holder. Ca 219 4-B 07B40283W01 Holder. Ca 220 5-B 43A12583W01 Holder. Ca 221 5-C 43A63281F01 Roller. Pl 222 5-C 44A82206F01 Rack 223 5-C 41B10386W03 Spring. GR 223 5-C 41B10386W04 Spring. GR 224 5-C 43A10121W01 Roller. Ej 225 5-D 43A12377W01 Roller. Ej 226 04B41345P11 Washer. Lo 227 5-D 43A12377W01 Roller. Ej 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Shaft. Sli 232 4-A 01A10212W01 Assy Riv 232 4-A 01A40024W01 Assy Riv 233 5-C 41B10386W01 Spring. Ej 234 5-C 01A30883W01 Assy Riv 235 4-C 01A30883W01 Assy Riv 237 4-F 44A20314W01 Assy Riv 238 5-C 01A30883W01 Assy Riv 239 5-D 01A40881W01 Assy Riv 239 5-D 01A40881W01 Assy Riv 239 5-D 01A40881W01 Assy Riv 240 2-D 45A40725W01 Lever Pack 241 242 1-C 04S40075005 Washer. Po	ange(M2x4)
210 4-C 01A30462W01 Assy. Riv 211 2-D 04B41345P29 Washer. Lo 213 2-D 14A10681W01 Reflector 215 3-E 44A30480W01 Gear. Plan 216 41A30475W01 Spring. Cl 218 3-E 01A30824W01 Assy. Riv 219 4-B 07B40283W01 Holder. Ca 219 4-B 07B40283W01 Holder. Ca 219 4-B 07B40012W01 Holder. Ca 220 5-B 43A12583W01 Roller. Ej 221 5-C 43A63281F01 Roller. Pl 222 5-C 44A82206F01 Rack 223 5-C 41B10386W03 Spring. GR 223 5-C 41B10386W03 Spring. GR 224 5-C 43A10121W01 Roller. Ej 225 5-D 43A10360W01 Roller. Ej 226 5-D 43A10376W01 Slider 227 5-D 43A12377W01 Roller. Ej 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Shaft. Sli 232 4-A 01A10212W01 Assy. Riv 233 5-C 41B10386W01 Spring. Ej 234 4-A 01A10212W01 Assy. Riv 232 4-A 01A10212W01 Assy. Riv 233 5-C 41B10386W01 Spring. Ej 234 5-C 01A30883W01 Assy. Riv 235 3-B 01B30863W02 Assy. Riv 237 4-F 44A20314W01 Pinion. Ej 238 2-B 04A0725W01 Lever Plac 239 5-D 01A40881W01 Assy. Riv 239 5-D 01A40881W01 Assy. Riv 239 5-D 01A40881W01 Assy. Riv 239 5-D 01A40881W01 Assy. Riv 240 2-D 45A40725W01 Lever Plac 241 7-G 04S40075G05 Washer. Po	
211 2-D 04841345P29	de
211 2-D 04841345P29	v Lever R/F Sol
213 2-D	
214 2-D 14A10681W01 Reflector Gear. Plan 215 3-E 44A30480W01 Spring. C1 218 3-E 01A30824W01 Assy Riv 219 4-B 07B40283W01 Holder. Ca 219 4-B 07B40012W01 Holder. Ca 219 4-B 07B40012W01 Holder. Ca 220 5-B 43A12583W01 Roller. Pl 222 5-C 44A82206F01 Rack 223 5-C 41B10386W03 Spring. GR 223 5-C 41B10386W03 Spring. GR 224 5-C 43A10121W01 Roller. Ej 225 5-D 43A10360W01 Roller. Ej 226 04B41345P11 Washer. Lo 227 5-D 43A12377W01 Roller. Ej 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Shaft. Sli 232 4-A 01A10212W01 Assy Riv 232 4-A 01A4022W01 Assy Riv 232 4-A 01A4024W01 Assy Riv 233 5-C 41B10386W01 Spring. Ej 234 5-C 01A30883W01 Assy Riv 235 3-B 01B30863W02 Assy Riv 236 4-C 45A10087W01 Assy Riv 237 4-F 44A20314W01 Assy Riv 238 2-B 26A20537W01 Assy Riv 240 2-D 45A40725W01 Assy Riv 241 76T10374W01 Assy Riv 242 1-C 04S40075G05 Washer. Po	
215 3-E 44A30480W01 Gear. Plan 216	1001
216	•
218 3-E 01A30824W01 Assy. Riv 219 4-B 07B40283W01 Holder. Ca 219 4-B 07B40283W01 Holder. Ca 4-B 07B40012W01 Holder. Ca 4-B 07B40012W01 Holder. Ca 4-B 07B40012W01 Holder. Ca 4-B 4-B 07B40012W01 Roller. Ej 221 5-C 44A82206F01 Rack 223 5-C 41B10386W03 Spring. GR 223 5-C 41B10386W04 Spring. GR 224 5-C 43A10360W01 Roller. Ej 225 5-D 43A10360W01 Roller. Ej 226 04B41345P11 Washer. Lo 227 5-D 43A10376W01 Slider 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Assy Riv 232 4-A 01A10212W01 Assy Riv 232 4-A 01A40021W01 Assy Riv 233 5-C 41B10386W01 Spring. Ej 233	inet
218 3-E 01A30824W01 Assy. Riv 219 4-B 07B40283W01 Holder. Ca 219 4-B 07B40283W01 Holder. Ca 4-B 07B40012W01 Holder. Ca 4-B 07B40012W01 Holder. Ca 220 5-B 43A12583W01 Roller. Ej 221 5-C 43A63281F01 Roller. Ej 222 5-C 44B10386W03 Spring. GR 223 5-C 41B10386W03 Spring. GR 224 5-C 43B10386W04 Spring. GR 224 5-C 43B10386W04 Spring. GR 224 5-C 43B10386W04 Spring. GR 225 5-D 43A10360W01 Roller. Ej 226 24 5-C 43A10360W01 Roller. Ej 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Assy Riv 232 4-A 01A10212W01 Assy Riv 232 4-A 01A40021W01 Assy Riv 233 5-C 41B10386W01	
□ 219 4-B 07840283W01 Holder. Ca □ 219 4-B 07840283W01 Holder. Ca □ 219 4-B 07840283W01 Holder. Ca □ 219 4-B 07840012W01 Holder. Ca □ 220 5-B 43A12583W01 Roller. Ej □ 221 5-C 43A63281F01 Roller. Ej □ 223 5-C 41B10386W03 Spring. GR □ 223 5-C 41B10386W03 Spring. GR □ 223 5-C 41B10386W03 Spring. GR □ 223 5-C 41B10386W04 Spring. GR □ 224 5-C 43A10360W01 Roller. Ej □ 225 5-D 43A10360W01 Roller. Ej □ 230 4-A 45B10376W01 Slider □ 231 4-B 47A63278F01 Assy Riv □ 232 4-A 01A10212W01 Assy Riv	lutch
□ 219 4-B 07840283W01 Holder, Ca 219 4-B 07840012W01 Holder, Ca 220 5-B 43A12583W01 Roller, Ej 221 5-C 43A63281F01 Rack 222 5-C 44A82206F01 Rack 223 5-C 41B10386W03 Spring, GR 224 5-C 43A10121W01 Roller, Ej 225 5-D 43A10360W01 Roller, Ej 226 04B41345P11 Washer, Lo 227 5-D 43A12377W01 Roller, Ej 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Shaft, Sli 232 4-A 01A10212W01 Assy., Riv 232 4-A 01A40212W01 Assy., Riv 232 4-A 01A4024W01 Assy., Riv 233 5-C 41B10386W01 Spring, Ej 233 5-C 41B10386W01 Spring, Ej 234 5-C 01A30883W01 Assy., Riv 234 5-C 01A30883W01 Assy., Riv 235 3-B 01B30863W02 Assy., Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion, Ej 238 2-B 26A20537W01 Assy., Riv 240 2-D 45A40725W01 Assy., Riv 240 2-D 45A40725W01 Assy., Riv 241 1-G 04S40075G05 Washer, Po	v Lever Reverse
△ 219 4-B 07B40012W01 Holder, Ca 220 5-B 43A12583W01 Roller, Ej 221 5-C 43A63281F01 Roller, Pl 222 5-C 44A82206F01 Rack ② 223 5-C 41B10386W03 Spring, GR △ 223 5-C 41B10386W04 Spring, GR № 224 5-C 43A10121W01 Roller, Ej 225 5-D 43A10360W01 Roller, Ej 226 04B41345P11 Washer, Lo 227 5-D 43A12377W01 Roller, Ej 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Shaft, Sli 232 4-A 01A10212W01 Assy., Riv △ 232 4-A 01A40212W01 Assy., Riv △ 233 5-C 41B10386W01 Spring, Ej △ 233 5-C 41B10386W01 Assy., Riv △ 233 5-C 01A30883W01 Assy., Riv △ 234 5	Cassette
△ 219 4-B 07B40012W01 Holder, Ca 220 5-B 43A12583W01 Roller, Ej 221 5-C 43A63281F01 Roller, Pl 222 5-C 44A82206F01 Rack ② 223 5-C 41B10386W03 Spring, GR △ 223 5-C 41B10386W04 Spring, GR № 224 5-C 43A10121W01 Roller, Ej 225 5-D 43A10360W01 Roller, Ej 226 04B41345P11 Washer, Lo 227 5-D 43A12377W01 Roller, Ej 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Shaft, Sli 232 4-A 01A10212W01 Assy., Riv △ 232 4-A 01A40212W01 Assy., Riv △ 233 5-C 41B10386W01 Spring, Ej △ 233 5-C 41B10386W01 Assy., Riv △ 233 5-C 01A30883W01 Assy., Riv △ 234 5	Cassette
220 5-B 43A12583W01 Roller Ej 221 5-C 44A82206F01 Rack 223 5-C 41B10386W03 Spring GR 223 5-C 41B10386W03 Spring GR 224 5-C 43A10121W01 Roller Ej 225 5-D 43A10360W01 Roller Ej 226 04B41345P11 Washer Lo 227 5-D 43A12377W01 Roller Ej 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Shaft Sli 232 4-A 01A10212W01 Assy. Riv 232 4-A 01A40212W01 Assy. Riv 232 4-A 01A4024W01 Assy. Riv 233 5-C 41B10386W01 Spring Ej 233 5-C 41B10386W01 Spring Ej 234 5-C 01A30883W01 Assy. Riv 234 5-C 01A30883W01 Assy. Riv 234 5-C 01A30883W01 Assy. Riv 235 3-B 01B30863W02 Assy. Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion Ej 238 2-B 26A20537W01 Assy. Riv 240 2-D 45A40725W01 Lever Pla 241 76T10374W01 Chip 242 1-C 04S40075G05 Washer Po	
221 5-C	2336116
221 5-C	Ciont
222 5-C	
② 223 5-C 41B10386W03 Spring. GR □ 223 5-C 41B10386W03 Spring. GR □ 223 5-C 41B10386W04 Spring. GR □ 224 5-C 43A10121W01 Roller. Ej □ 225 5-D 43A10360W01 Roller. Ej □ 226 04B41345P11 Washer. Lo □ 227 5-D 43A12377W01 Roller. Ej □ 230 4-A 45B10376W01 Slider □ 231 4-B 47A63278F01 Shaft. Sli □ 232 4-A 01A10212W01 Assy Riv □ 232 4-A 01A40021W01 Assy Riv □ 233 5-C 41B10386W01 Spring. Ej □ 233 5-C 41B10386W01 Spring. Ej □ 233 5-C 41B63283F11 Spring. Ej □ 234 5-C 01A30883W01 Assy Riv □ 234 5-C 01A40021W01 Assy Riv □ <td>Tate Base</td>	Tate Base
□ 223 5-C 41B10386W03 Spring. GR □ 224 5-C 43A10121W01 Roller. Ej □ 225 5-D 43A10360W01 Roller. Ej □ 226 04B41345P11 Washer. Lo □ 227 5-D 43A12377W01 Roller. Ej □ 230 4-A 45B10376W01 Slider □ 231 4-B 47A63278F01 Shaft. Sli □ 232 4-A 01A10212W01 Assy Riv □ 232 4-A 01A10212W01 Assy Riv □ 233 5-C 41B10386W01 Spring. Ej □ 233 5-C 41B10386W01 Spring. Ej □ 233 5-C 41B10386W01 Spring. Ej □ 233 5-C 41B10386W01 Spring. Ej □ 234 5-C 01A30883W01 Assy Riv □ 234 5-C 01A30883W01 Assy Riv □ 235 3-B 01B30863W02 Assy Riv □ 236 4-C 45A10087W01 Lever Pack □ 237 4-F 44A20314W01 Pinion. Ej □ 238 5-D 01A40881W01 Assy Riv □ 239 5-D 01A40881W01 Assy Riv □ 240 2-D 45A40725W01 Lever. Pla □ 241 76T10374W01 Chip □ 242 1-G 04S40075G05 Washer. Po	
△ 228 5-C 41B10386W04 Spring, GR 224 5-C 43A10121W01 Roller, Ej 225 5-D 43A10360W01 Roller, Ej 226 04B41345P11 Washer, Lo 227 5-D 43A12377W01 Roller, Ej 230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Shaft, Sli 232 4-A 01A10212W01 Assy., Riv △ 232 4-A 01A40024W01 Assy., Riv △ 233 5-C 41B10386W01 Spring, Ej 233 5-C 41B63283F11 Spring Ej 233 5-C 01A30883W01 Assy., Riv △ 234 5-C 01A30883W01 Assy., Riv △ 234 5-C 01A40021W01 Assy., Riv △ 234 5-C 01A40021W01 Assy., Riv 235 3-B 01B30863W02 Assy., Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 </td <td>R(Rack)</td>	R(Rack)
224 5-C 43A10121W01 Roller. Ej	R(Rack)
224 5-C 43A10121W01 Roller. Ej	
225 5-D 43A10360W01 Roller. Ej	R(Rack)
225 5-D 43A10360W01 Roller. Ej	
226	
227 5-D 43A12377W01 Roller. Ej	
230 4-A 45B10376W01 Slider 231 4-B 47A63278F01 Shaft. Sli 232 4-A 01A10212W01 Assy Riv □ 232 4-A 01A40024W01 Assy Riv □ 233 5-C 41B10386W01 Spring. Ej 233 5-C 41B63283F11 Spring □ 234 5-C 01A30883W01 Assy Riv □ 234 5-C 01A30883W01 Assy Riv □ 234 5-C 01A40021W01 Assy Riv □ 235 3-B 01B30863W02 Assy Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	
231 4-B 47A63278F01 Shaft. Sli 232 4-A 01A10212W01 Assy Riv 232 4-A 01A10212W01 Assy Riv 232 4-A 01A40024W01 Assy Riv 233 5-C 41B10386W01 Spring. Ej 233 5-C 41B63283F11 Spring 234 5-C 01A30883W01 Assy Riv 234 5-C 01A30883W01 Assy Riv 234 5-C 01A40021W01 Assy Riv 235 3-B 01B30863W02 Assy Riv 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	ject C
231 4-B 47A63278F01 Shaft. Sli 232 4-A 01A10212W01 Assy Riv 232 4-A 01A10212W01 Assy Riv 232 4-A 01A4022W01 Assy Riv 233 5-C 41B10386W01 Spring. Ej 233 5-C 41B3386W01 Spring. Ej 233 5-C 41B63283F11 Spring 234 5-C 01A30883W01 Assy Riv 234 5-C 01A30883W01 Assy Riv 234 5-C 01A40021W01 Assy Riv 235 3-B 01B30863W02 Assy Riv 236 4-C 01A40021W01 Assy Riv 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Shield. pl 239 5-D 01A40881W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	
◎ 232 4-A 01A10212W01 Assy Riv △ 232 4-A 01A10212W01 Assy Riv △ 232 4-A 01A40024W01 Assy Riv △ 233 5-C 41B10386W01 Spring. Ej △ 233 5-C 41B63283F11 Spring. Ej △ 234 5-C 01A30883W01 Assy Riv ○ 234 5-C 01A30883W01 Assy Riv ○ 234 5-C 01A40021W01 Assy Riv 235 3-B 01B30863W02 Assy Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Shield. pl 239 5-D 01A40881W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04\$40075G05 Washer. Po	
□ 232 4-A 01A10212W01 Assy Riv 232 4-A 01A40024W01 Assy Riv 233 5-C 41B10386W01 Spring. Ej 233 5-C 41B10386W01 Spring. Ej 234 5-C 01A30883W01 Assy Riv 234 5-C 01A30883W01 Assy Riv 234 5-C 01A40021W01 Assy Riv 235 3-B 01B30863W02 Assy Riv 235 3-B 01B30863W02 Assy Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	ider
△ 232 4-A 01A40024W01 Assy Riv ◎ 233 5-C 41B10386W01 Spring. Ej △ 233 5-C 41B10386W01 Spring. Ej △ 233 5-C 41B63283F11 Spring. Ej △ 234 5-C 01A30883W01 Assy Riv △ 234 5-C 01A40021W01 Assy Riv 235 3-B 01B30863W02 Assy Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Shield. pl 239 5-D 01A40881W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	v Plate Base
△ 232 4-A 01A40024W01 Assy Riv ◎ 233 5-C 41B10386W01 Spring. Ej △ 233 5-C 41B10386W01 Spring. Ej △ 233 5-C 41B63283F11 Spring. ⑤ 234 5-C 01A30883W01 Assy Riv □ 234 5-C 01A40021W01 Assy Riv □ 235 3-B 01B30863W02 Assy Pin □ 236 4-C 45A10087W01 Lever Pack □ 237 4-F 44A20314W01 Pinion. Ej □ 238 2-B 26A20537W01 Shield. pl □ 239 5-D 01A40881W01 Assy Riv □ 240 2-D 45A40725W01 Lever. Pla □ 241 76T10374W01 Chip □ 242 1-G 04S40075G05 Washer. Po	v Plate Base
© 233 5-C 41B10386W01 Spring. Ej 233 5-C 41B10386W01 Spring. Ej 233 5-C 41B10386W01 Spring. Ej 234 5-C 01A30883W01 Assy Riv 234 5-C 01A40021W01 Assy Riv 235 3-B 01B30863W02 Assy Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Assy Riv 240 2-D 45A40725W01 Assy Riv 241 76T10374W01 Chip 242 1-C 04S40075G05 Washer. Po	v Plate Base
□ 233 5-C 41B10386W01 Spring Ej △ 233 5-C 41B63283F11 Spring © 234 5-C 01A30883W01 Assy. Riv □ 234 5-C 01A40021W01 Assy. Riv △ 234 5-C 01A40021W01 Assy. Pin 235 3-B 01B30863W02 Assy. Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion Ej 238 2-B 26A20537W01 Assy. Riv 240 2-D 45A40725W01 Lever Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer Po	
□ 233 5-C 41B10386W01 Spring Ej □ 233 5-C 41B63283F11 Spring □ 234 5-C 01A30883W01 Assy. Riv □ 234 5-C 01A40021W01 Assy. Riv □ 235 3-B 01B30863W02 Assy. Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion Ej 238 2-B 26A20537W01 Shield pl 239 5-D 01A40881W01 Assy. Riv 240 2-D 45A40725W01 Lever Pla 241 76T10374W01 Chip 242 1-C 04S40075G05 Washer Po	liect Arm
△ 233 5-C 41863283F11 Spring ② 234 5-C 01A30883W01 Assy Riv □ 234 5-C 01A40021W01 Assy Riv △ 234 5-C 01A40021W01 Assy Riv 235 3-B 01B30863W02 Assy Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Shield. pl 239 5-D 01A40881W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-C 04S40075G05 Washer. Po	
Image: Second color of the color of th	Ject Vim
□ 234 5-C 01A30883W01 Assy Riv □ 234 5-C 01A40021W01 Assy Riv 235 3-B 01B30863W02 Assy Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Shield. pl 239 5-D 01A40881W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-C 04S40075G05 Washer. Po	D1 4 . D
△ 234 5-C 01A40021W01 Assy Riv 235 3-B 01B30863W02 Assy Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Assy Riv 240 2-D 01A40881W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	
235 3-B 01B30863W02 Assy. Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Shield. pl 239 5-D 01A40881W01 Assy. Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	v Eject Arm B
235 3-B 01B30863W02 Assy. Pin 236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Shield. pl 239 5-D 01A40881W01 Assy. Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	
236 4-C 45A10087W01 Lever Pack 237 4-F 44A20314W01 Pinion. Ej 238 2-B 26A20537W01 Shield. pl 239 5-D 01A40881W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	v Eject Arm D
237 4-F 44A20314W01 Pinion Ej 238 2-B 26A20537W01 Shield pl 239 5-D 01A40881W01 Assy. Riv 240 2-D 45A40725W01 Lever Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer Po	nch Roller
237 4-F 44A20314W01 Pinion Ej 238 2-B 26A20537W01 Shield pl 239 5-D 01A40881W01 Assy. Riv 240 2-D 45A40725W01 Lever Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer Po	k In SW
238 2-B 26A20537W01 Shield pl 239 5-D 01A40881W01 Assy. Riv 240 2-D 45A40725W01 Lever Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer Po	tiect
239 5-D 01A40881W01 Assy Riv 240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	-
240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	14(0
240 2-D 45A40725W01 Lever. Pla 241 76T10374W01 Chip 242 1-G 04S40075G05 Washer. Po	u DE Link
241 76T10374W01 Chip 242 1-G 04S40075G05 Washer Po	
242 1-G 04S40075G05 Washer. Po	ay Sol.
243 1-G 01A30488W01 Assy Fly	olyslider(M2.1)
	ywhee1

	Note: The parts without parts list are not supplied.							
Symbol IN		1 N- dex	Part No.	Description				
	244	3-F	44A10141W01	Gear. Eject Idler				
	245	3-E	01A10205W02	Assy., Riv Lever				
				Clutch A				
	246	3-F	44A10145W01	Gear. Eject				
	247	2-B	01V33500W45	Assy. GR Control				
			01,00000#10	P.C. Board				
	248	3-G	43A41656W01	Spacer. UHMW				
	240		40041000#01	opacer only				
	249	5-D	44A30481W01	Gear, RF ldler				
	250	4-D	44A30483W01	Gear, RF				
	251	4-D	04S40075G58	Washer, Polyslider(M2.1)				
	252			l .				
	1	3-H	01A30463W01	Assy. Riv. Cover Bottom				
	254	3-G	15B11065W01	Guide, Photo				
	255	4-G	30T15126W01	Wire, PC Sensor(7P)				
	258	4-D	45A10101W01	Lever. Eject Sol				
	259	3-D	49A30476W01	Pulley, idler				
	260	4-E	44A30482W01	Gear. Take Up				
	261	3-E	44A30478W01	Gear, Sun				
	000	2 1.	44010105101	Const. Disc.				
	262	3-E	44B10135W01	Gear, Fix				
	263	3-E	44B30484W01	Gear, Pause				
	264	i l	44A10137W01	Gear. Pause Idler A				
	265	3-E	44A30486W01	Gear, Pause Idler B				
	266	3-E	44A30479W01	Gear. Reverse Idler				
	267	2-E	44A30485W01	Cons. Movem 141 or				
	268	2-E	44A30487W01	Gear, Motor Idler Gear, Motor Clutch				
	269	1-G	44A30467W01 42A31850W01					
0	270	3-A	01V43400W38	Belt, GR				
	270	3-A	01V43400W38	Assy., CR Audio P.C. Board Assy., CR Audio				
	210	J-n	01499900#09	P.C. Board				
				P.C. Board				
	270	3-A	01V33300W 03	Assy. GR Audio P.C. Board				
_	272	1 1	04B41345P15	Washer, Lock(M1.2)				
	273	3 1	04B41345P02	Washer, Lock(M1.7)				
	274	3 − H	04B41345P17	Washer Lock(M1)				
	275	2-D	04B41345P30	Washer. Lock(M3.1)				
	210	20	04041343130	#asher: Lock(No.1)				
	276	3-B	04B41345P32	Washer, Lock(M3.1)				
	277	2-E	01A30464W01	Assy. Riv Play Clutch				
	278	2-A	30T15126W02	Wire PC Joint 7P				
	279	2-D	03S44205G78	Screw. Pan(M2x6)				
	280		03S44205G30	Screw, Pan(M2.6x4)				
			00011300000	ocion run(na.ox1)				
	281	4-D	03S72235F53	Screw. Pan(M2x3.3)				
	282	3-F	03A12132W02	Screw. Eject Clutch(Mx2.3)				
	283		03S43997P64	Screw, Pan(Mi.7x3)				
	284	3-F	41A10384W01	Spring. Eject Clutch				
	285	3-E	41A10385W01	Spring. Cas Push				
	286	2-C	41B10386W02	Spring. Sub Head				
	287	2-B	41A10387W01	Spring, Pinch Roller				
	288	3-D	43A12719W01	Roller. Pause				
	289	3-B	01B30863W01	Assy Pinch Roller				
0	290	2-B	84T25151W01	Head P.C. Board				

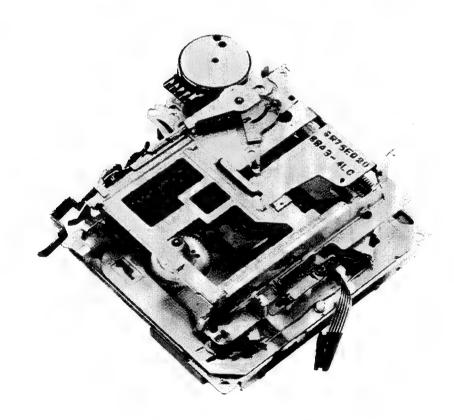
Notes: ⊚: For GR75H020 model only □: For GR75H030 model only □ 31 — \triangle ; For GR75H130 model only Others ; Common

ړن	/mbol	I N-		
	No.	dex	Part No.	Description
	290	2-B	84T35271W01	Head P.C. Board
Δ	290	2-B	84T35271W01	Head P.C. Board
	291	5-E	01T35403W01	Assy. Reel
	292	5-E	04B41345P12	Washer Lock(M1.7)
	293	2-D	04B41345P35	Washer, Lock (M1.7)
			01211010100	Washer Pool (12.17)
	294	2-E	43A30827W01	Spacer, Motor Idler
	295	2-E	41A30490W01	Spring, Play Clutch
	296	5-D	01A40882W01	Assy. Riv Lever RF
	297	2-D	34A48030W01	Washer, Solenoid
	298	3-E	01A10201W02	
	230	3-6	OIMIOZOIWOZ	Assy. Riv Lever Pause
	299	4-C	43A40388W01	Spacer, Polyslider
	300			
		2-B	41A41416W01	Spring, Head
Δ	300	2-B	41A41416W01	Spring, Head
				1
	!			
			Misc	ellaneous
0	501	2-B	88T15971W01	Head
	501	2-B	88T35406W01	Head
Δ	501	2-B	88T35406W01	Head
	502	5-F	01V41100W72	Assy., Motor(11.5v-85mA)
	503	3-G	51T15144W01	Sensor. Photo
	000		01110144#01	Sensor: Thoto
	504	4-G	01T10371W01	R/F Sol. Assy.
	505		40T15382W01	1
ł	905	4-F	40115382#01	SW Detector
	500			(Pack Down)
	506	4-G	40T15382W01	SW. Detector(Metal)
- 1	507	2-C	40T15222W01	SW. Detector (Pack In)
	508	2-D	01T15249W01	Assy., Play Solenoid
ı				
	509	4-D	01T10369W02	Assy., Eject Solenoid
- 1				
				[
	-			
			Official Control	only : For GR75H030 model only

ILPINE SERVICE MANUAL

Cassette Deck Mechanism

ADDENDUM & REVISED(III)



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Memo

List of Usable Lock Washers

			QUANTITY		
	SIZE	PARTS NO.	GR75E Series	GR75L Series	GR-Y Series
1	(M1.2 × 3.5 × 0.25)	04B41345P01	8	7	6
2	$(M1.7 \times 3.5 \times 0.25)$	04B41345P02	1	1	2
3	$(M2.1\times5\times0.25)$	04B41345P06	1	1	0
4	$(M1.2 \times 2.5 \times 0.25)$	04B41345P11	7	7	8
5	$(M1.7 \times 3.5 \times 0.35)$	04B41345P12	2	2	2
6	$(M1.2 \times 3.5 \times 0.35)$	04B41345P15	1	1	1
7	$(M1 \times 2.5 \times 0.25)$	04B41345P17	1	1	1
8	$(M2.6 \times 5 \times 0.25)$	04B41345P29	1	1	0
9	$(M3.1 \times 8 \times 0.05)$	04B41345P30	1	1	1
10	$(M1.7 \times 3 \times 0.25)$	04B41345P31	1	1	1
11	$(M3.1 \times 5 \times 0.35)$	04B41345P32	2	2	2
12	$(M1.2 \times 2.5 \times 0.3)$	04B41345P34	1	1	0
13	$(M2.1 \times 4 \times 0.25)$	04B41345P37	0	0	1
14	$(M2.6 \times 4.7 \times 0.25)$	04B41345P38	0	0	1

List of Usable Oil

- Molykote E paste
 Grease EM-30L
 Grease FLOIL 425A

List of Usable Jigs

- GR bottom gear jig (Part No. 44A20788W01)
 Head height adjustment gauge Al-500 (Part No. Al-500)

Disassembly, Assembly and Replacement of Functional Parts

1. Disassembly and Assembly of Bottom Cover

- (1) Turn the mechanism around as shown in Figure 1.
- (2) Remove M1 lock washer ① as shown in Figure 1.
- (3) Remove three screws ② as shown in Figure 1.
- (4) Lift the bottom cover slowly from the position (A)-1, pull the hooks out of the holes in the chassis, and remove the bottom cover as shown in Figure 1.
- (5) When remounting the bottom cover, first turn the front of the mechanism up as shown in Figure 2.
- (6) Slide the slider in the direction (a)-2 as shown in Figure 2.
- (7) Push down the cassette holder in the direction (a)-3 as shown in Figure 2.
- (8) Pull the door pin in the direction (a)-4 so that the mechanism is locked in as shown in Figure 2.
- (9) Turn the mechanism around as shown in Figure 3.
- (10)Pull the automatic metal lever in the direction
 (A)-5 and the RF solenoid chip in the direction
 (A)-6 as shown in Figure 3.
- (11)Insert the hooks of the bottom cover into the chassis in the direction (a)-7, and then join the part (a)-8 of the bottom cover to the chassis slowly, making sure that the 3 points indicated with the straight lines in the Figure 3 are fitted properly.
 - If there are troubles in mounting the bottom cover, do not apply force but remove the bottom cover once again and check the positions of the individual parts. (Refer to Figure 3.)
- (12)Since the hooks marked (A)-8 will be lifted slightly as shown in Figure 4, insert the jig through the hole (A)-9, and fix it turning the jig slightly in the direction (A)-11. Instead of operation (12), turn the gear nose slowly with a precision screwdriver etc., taking care not to damage it.
 - After 2 to 3 turns, it will click into place. (Refer to Figures 4 and 5.)
- (13)Fix the screws and the lock washer that have been removed.

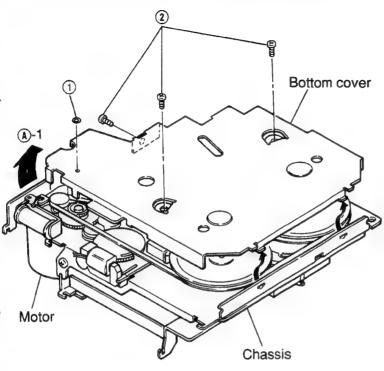


Figure 1

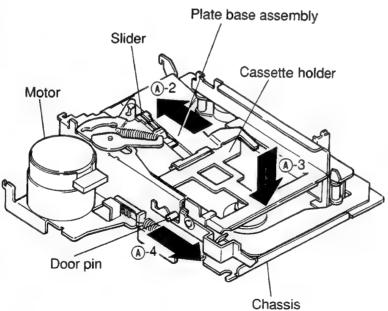


Figure 2

(14)Insert the jig into the hole (A)-9 as shown in Figure and rotate the eject solenoid counterclockwise about 20 times, pulling it in the direction (A)-10 with the finger.

Then the eject operation is completed.

Instead of operation (14), the eject operation can be performed by mounting the mechanism to the product. (Refer to Figures 4 and 5.)

Note: Do not reuse the used lock washers for mounting.

When turning the mechanism, be careful not

to drop the gear and the flywheel.

Fasten the three screws with a fastening torque of 6 kg.cm.

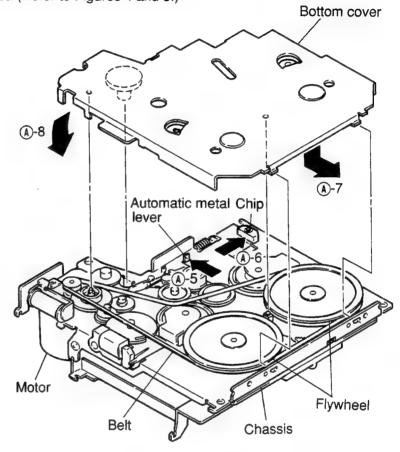


Figure 3

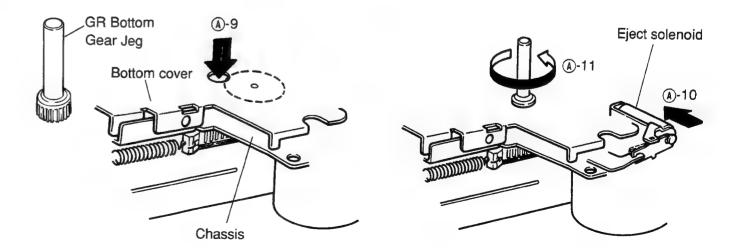


Figure 4

Figure 5

2. Replacement of the bottom cover mounting parts

- a. Replacement of the eject gear
 - (1) Remove M1.2 lock washer ③ as shown in Figure 6.
 - (2) Pull the eject pinion out of the eject gear and remove the eject gear as shown in Figure 6.
 - (3) Apply the molykote E paste to the section ®-1, and mount the eject gear following the removal steps in the reverse order. After replacement is finished, make sure that the gear rotates smoothly. (Refer to Figure 6.)

Note: Do not reuse the used lock washers for remounting.

Take care to avoid damage by piercing and tearing.

- b. Replacement of the RF solenoid
 - (1) Remove two solders (a) and remove the RF solenoid from the bottom cover by pulling it up as shown in Figure 6.
 - (2) Replace the solenoid with a new one, and remount it following the removal steps in the reverse order as shown in Figure 6.

Note: When removing solder (4), set the temperature of the soldering iron to 350° ± 10° and the soldering time to 1 – 3 seconds. Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damaged.

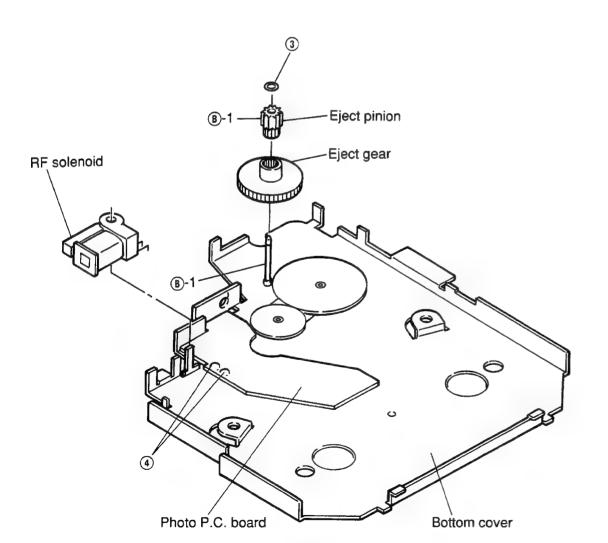


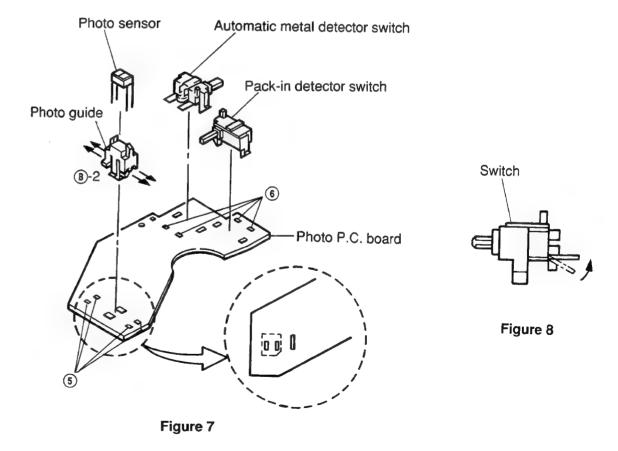
Figure 6

- c. Replacement of the photo sensor
- (1) Remove four solders (5) as shown in Figure 7.
- (2) Remove the photo guide together with the photo sensor from the photo P.C. board as shown in Figure 7.
- (3) Insert the new photo sensor into the photo guide, and bend the legs of the photo sensor in the direction marked (8)-2 as shown in Figure 7.
- (4) Insert the photo guide into the P.C. board and solder the legs so that the photo sensor is set as indicated by [___] in Figure 7.

Note: When using the soldering iron, set the temperature of the soldering iron to $350^{\circ} \pm 10^{\circ}$ and the soldering time to 1-3 seconds. Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damaged. Also take care that the photo guide is properly fixed and straight.

- d. Replacement of the detector switch (Automatic metal pack-in)
- (1) Remove 4 solders (§) with which the switch is fixed as shown in Figure 7.
- (2) Prepare the terminals of the switch of the new solder as shown in Figure 8.
- (3) After that, insert the switch into the photo P.C. board, and solder the terminals.

Note: When using the soldering iron, refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Also take care that the switch guide is properly fixed and straight.



3. Replacement of the mounting parts on the rear of the main chassis

a. Replacement of the belt

Flywheel

- (1) After removing the bottom cover, remove the
- (2) Clean the new belt with absolute alcohol, and fix it as shown in Figure 9.

Note: When fixing the belt, make sure that it is not twisted or dirty. When removing the belt, do not turn up the front of the chassis.

- b. Replacement of the motor
 - (1) After removing the belt, remove spring (7) as shown in Figure 10.
 - (2) Remove solder (8)-1, and remove the parallel wire (5P) from the control P.C. board as shown in Figure 11.
 - (3) Remove two screws (9) and (10), and remove the motor, taking care not to damage the motor idler gear. (Refer to Figure 10.)
 - (4) Mount the new motor following the removal steps in the reverse order.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Since the parallel wire is very easily damaged, handle it with

Fasten the two screws with a fastening

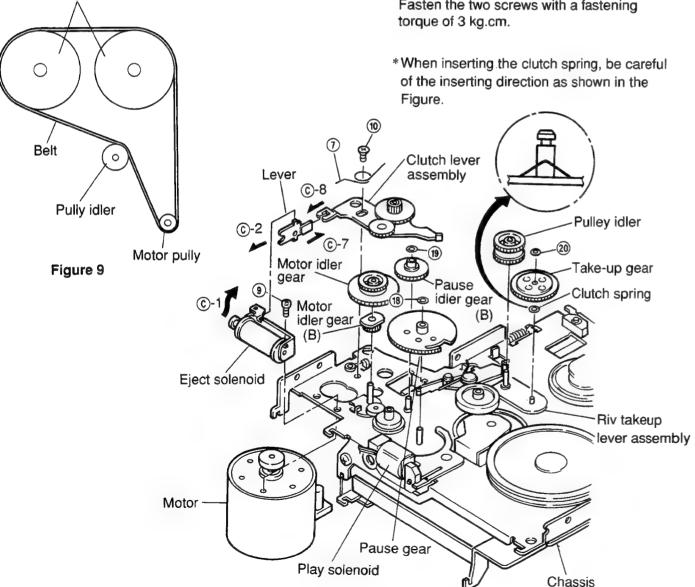


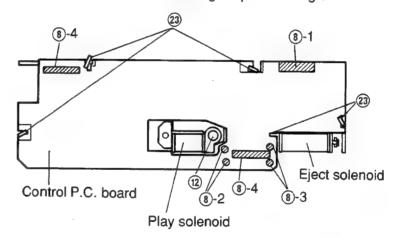
Figure 10

- c. Replacement of the flywheels
- (1) After removing the belt, pull out the two flywheels. Take care not to loose the polyslider washer (1) located between the flywheel and the chassis. (Refer to Figure 12.)
- (2) Fix the polyslider washer to the new flywheel and mount the flywheel to the chassis.
- d. Replacement of the play solenoid
- (1) Remove the two solders (8-2 as shown in Figure 11.
- (2) Remove one screw (2) and remove the solenoid as shown in Figure 11.
- (3) Mount the new solenoid following the removal steps in the reverse order.

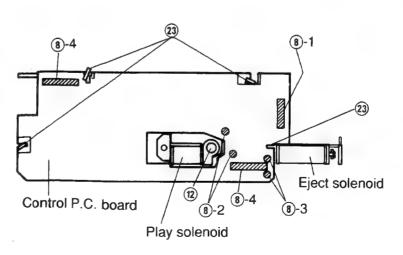
Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Fasten the screws with a fastening torque of 2.3 kg.cm.

- e. Replacement of the eject solenoid
 - (1) Remove two solders (8)-3. Take care not to loose the tube that protects the wire. (Refer to Figure 11.)
 - (2) Remove screw (9) and remove the play solenoid as shown in Figure 10.
- (3) Align position ©-1 of the new solenoid with position ©-2 of the lever and fasten the screw as shown in Figure 10.
- (4) Lead the wire through the tube and solder it.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Fasten the screws with a fastening torque of 3 kg.cm. As the solder wires are not insulated, do not let them cross each other.



[For GR75E020, GR75E010, GR75E01A, GR75E01C models]



[For GR75L020, GR75L010 models]

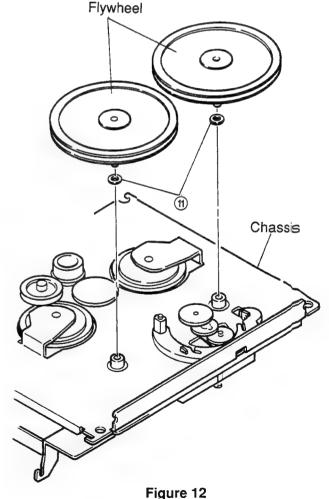


Figure 11



f. Replacement of gears

(f-1) Replacement of the reverse idler gear

- (1) Remove M1.2 lock washer (3), pull it up from the stud of the chassis and remove the gear as shown in Figure 13.
- (2) Remount following the removal steps in the reverse order.

(f-2) Replacement of the sun gear

- (1) Remove M1.2 lock washer (1), pull it up from the stud of the chassis and remove the gear as shown in Figure 13.
- (2) Mount it, following the removal steps in the reverse order.

(f-3) Replacement of the fixing gear

- (1) Adjust the two mounting claws for the fix gear on the chassis (s) and remove the section (c)-3 of the gear by pulling it up in the direction of the arrow shown in Figure 13.
- (2) Insert the section ©-4 of the new gear into the chassis, and mount it following the removal steps in the reverse order as shown in Figure 13.
- (f-4) Replacement of the reverse lever assembly and planet gear
 - (1) Remove both the fixing gear and the sun gear and remove the reverse lever assembly as shown in Figure 13.
 - (2) Remove M1.7 lock washer (16) and remove the planet gear as shown in Figure 14.
 - (3) Mount the new planet gear and reverse lever following the removal steps in the reverse order.

Notes on f-1 through f-4:

After mounting all parts, check if the reverse lever moves in the directions marked ©-5 when the reverse gear is turned clockwise and counterclockwise.

*After mounting the fixing gear, bend the claws (s) into the form of as shown in the Figure.



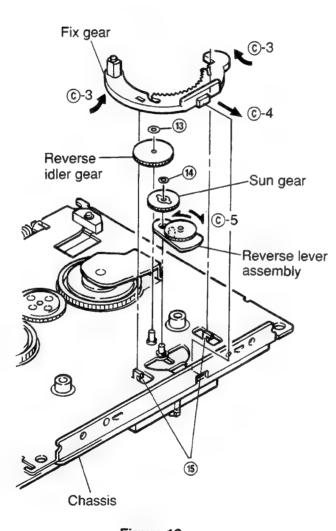


Figure 13

- (f-5) Replacement of the clutch lever assembly and eject idler gear
- (1) After removing the motor, remove the motor idler gear and the motor idler gear (B) and remove the clutch lever assembly as shown in Figure 10.
- (2) Remove M1.2 lock washer (17) and remove the eject idler gear as shown in Figure 15.
- (3) Mount the new gears and clutch lever following the removal steps in the reverse order.

Note: When mounting the gears to the lever, apply grease (FLOIL 425A) to the position ©-6 as shown in Figure 15. Align the position ©-7 with the position ©-8 and mount the clutch lever as shown in Figures 10 and 15.

(f-6) Replacement of the pause gear

- (1) Remove M1.2 lock washer (8) and remove the pause gear pulling it up from the stud of the chassis as shown in Figure 10.
- (2) Mount the new gear following the removal steps in the reverse order.

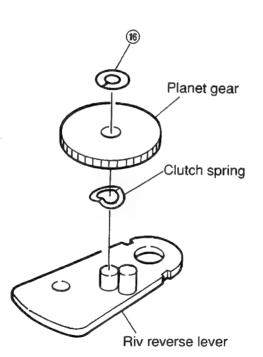
- (f-7) Replacement of the pause idler gear (B)
- (1) After removing the motor and the motor idler gear, remove M1.2 lock washer (9) and remove the gear by pulling it up from the stud of the chassis as shown in Figure 10.
- (2) Mount the new gear by following the removal steps in the reverse order.

(f-8) Replacement of the take-up gear

- (1) After removing the belt and the pulley idler gear, remove M1.2 lock washer @ by pulling it up from the stud of the riv take-up lever assembly as shown in Figure 10.
- (2) Remount the take-up gear following the removal steps in the reverse order.

Notes on f:

Do not reuse the used washers. Take care to avoid damage by piercing and tearing.



[Disassembly Reverse Lever Assembly]

Figure 14

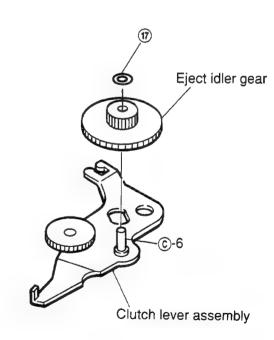


Figure 15

4. Replacement of the parts mounted on the front of the chassis

- a. Replacement of the audio P.C. board
 - (1) Remove two solders ② and remove the parallel wire (7P) and the head P.C. board as shown in Figure 16.
 - (2) Adjust the two claws ② to the rectangular holes on the P.C. board and remove the P.C. board as shown in Figure 16.
 - (3) After replacement, mount the new P.C. board following the removal steps in the reverse order.

Note: The head P.C. board and the parallel wire are easily damaged. Handle them with care. Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Do not bring the soldering iron near the head P.C. board.

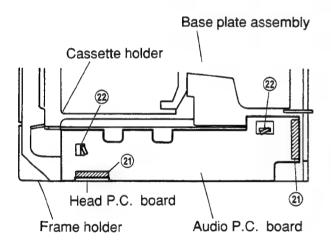


Figure 16

- b. Replacement of the control P.C. board
 - (1) Remove seven solders (3) and remove the three parallel wires and the wires of the eject solenoid and of the play solenoid as shown in Figure 11.
 - (2) Remove five claws ② and remove the P.C. board as shown in Figure 11. [For GR75E020, GR75E010, GR75E01A, GR75E01C models] Remove four claws ② and remove the P.C. board as shown in Figure 11. [For GR75L020, GR75L010 models]
 - (3) After replacing the old P.C. board with a new one, mount it following the removal steps in the reverse order.

Note: As mentioned in Item 4-a, handle the parallel wires carefully, and be sure that the temperature of the soldering iron and the soldering time are proper. As the wires of the eject solenoid are not insulated, do not let them cross each other.

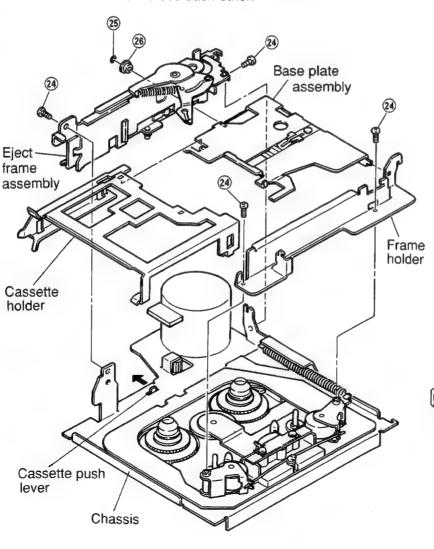


Figure 17

- c. Disassembly and assembly of the cassette holder
- (1) Remove four screws ② and remove the eject frame assembly and the frame holder as shown in Figure 17.
- (2) Remove M1.2 lock washer ② and plate base roller ② and remove the cassette holder and the base plate assembly as shown in Figure 17
- (3) Remount them following the removal steps in the reverse order.

Notes: 1. When mounting the cassette holder and the base plate, insert the slider shaft into the eject arm and fix them turning the slider shaft in the direction indicated by the arrow in the figure. Make sure that the cassette holder and the base plate are in the cassette-in mode during this operation. (Refer to Figure 18).

- When mounting the eject frame assembly, push the cassette push lever in the direction indicated by the arrow in the Figure 17.
- When mounting the base plate
 assembly and the eject frame
 assembly, or when mounting the eject
 frame assembly to the chassis, do not
 apply excessive force to avoid
 deformations of the eject arm and the
 frame.

 Do not reuse the used washers. Take care to avoid damage by piercing and tearing.

Eject arm

Base plate

Slider

- d. Replacement of the reels
- (1) Remove M1.7 two lock washers ② (Refer to figure 19).
- (2) Move the select lever in the direction marked
 (D)-1 in the Figure and remove the reel by gripping the reel gear as shown in Figure 19.
- (3) After replacement, mount the new reels following the removal steps in the reverse order.
- (4) After mounting, check the tape speed and the wow and flutter with test tape MTT-111.

Note: Since the reel is easily loosened if the cap is gripped, always handle it gripping the gear. Do not reuse the used washers. Take care to avoid damage by piercing and tearing.

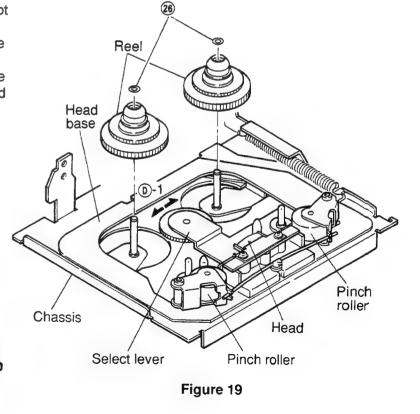


Figure 18



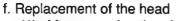
e. Replacement of the pinch rollers

21

- (1) Remove pinch roller spring ② as shown in Figure 20.
- (2) Remove M3.1 two lock washers (2) and remove the pinch roller as shown in Figure 20.
- (3) Mount the pinch rollers following the removal steps in the reverse order.

 Apply insulation coating to the position ①-2 of the pinch roller as shown in Figure 20.

Note: Make sure that the pinch rollers are thoroughly fixed and that they are not deformed. Do not reuse used lock washers. Take care to avoid damage by piercing and tearing.



- (1) After removing the pinch roller spring, remove two screws ② as shown in Figure 21.
- (2) Remove solder (30) and remove the head from the head P.C. board as shown in Figure 22.
- (3) After replacement, mount the new head following the removal steps in the reverse order.

Notes: 1. Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Do not bring the soldering iron near the head P.C. board. Make sure that the head P.C. board is not lifted.

 Fasten the two screws with a fastening torque of 2.3 kg.cm. Note that the tension of the head spring can be decreased if the screws are fastened too strongly.

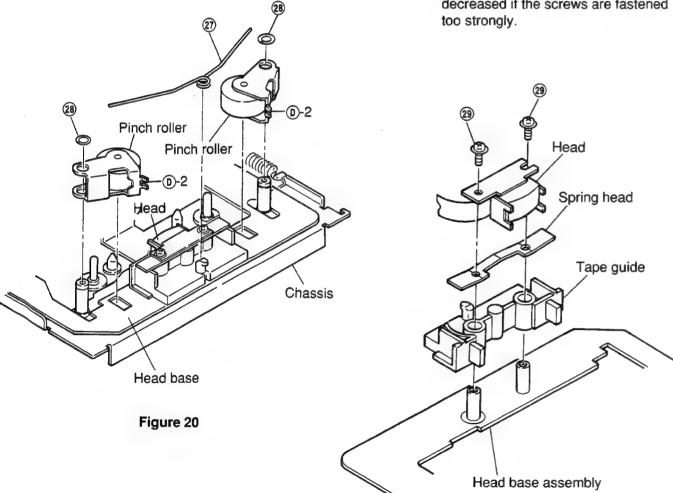


Figure 21

- (4) Adjust the height of the head as shown in Figures 23, 24 and 25.
- ① Place the height adjustment gauge (AI-500) on the head base, and adjust the height so that the check bar fits in the tape head guide smoothly.
- When the check bar touches the top (or bottom) of the tape guide, insert a spacer (t 0.1 mm or polislider washer t 0.13 mm). If necessary, remove the spacer.

Note: If you do not have a height gauge like described in (4)-1, run the tape at normal speed and adjust the height of the head and the tape head guide so that the tape does not curl.

(5) After having assembled the complete mechanism, adjust the angle of the head with test tape MTT-113C. (Refer to chapter "Adjustment of the head angle".) After the adjustment, apply the screw lock and fix the screws.

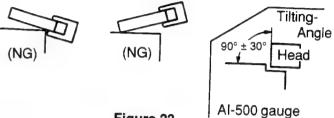


Figure 23

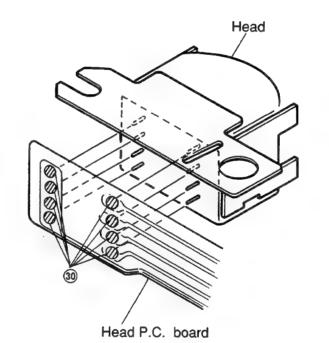


Figure 22

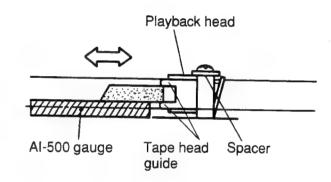
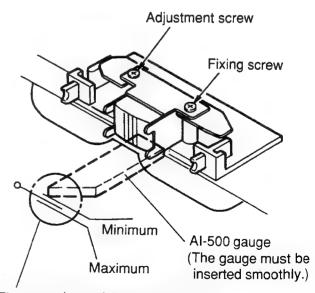


Figure 24

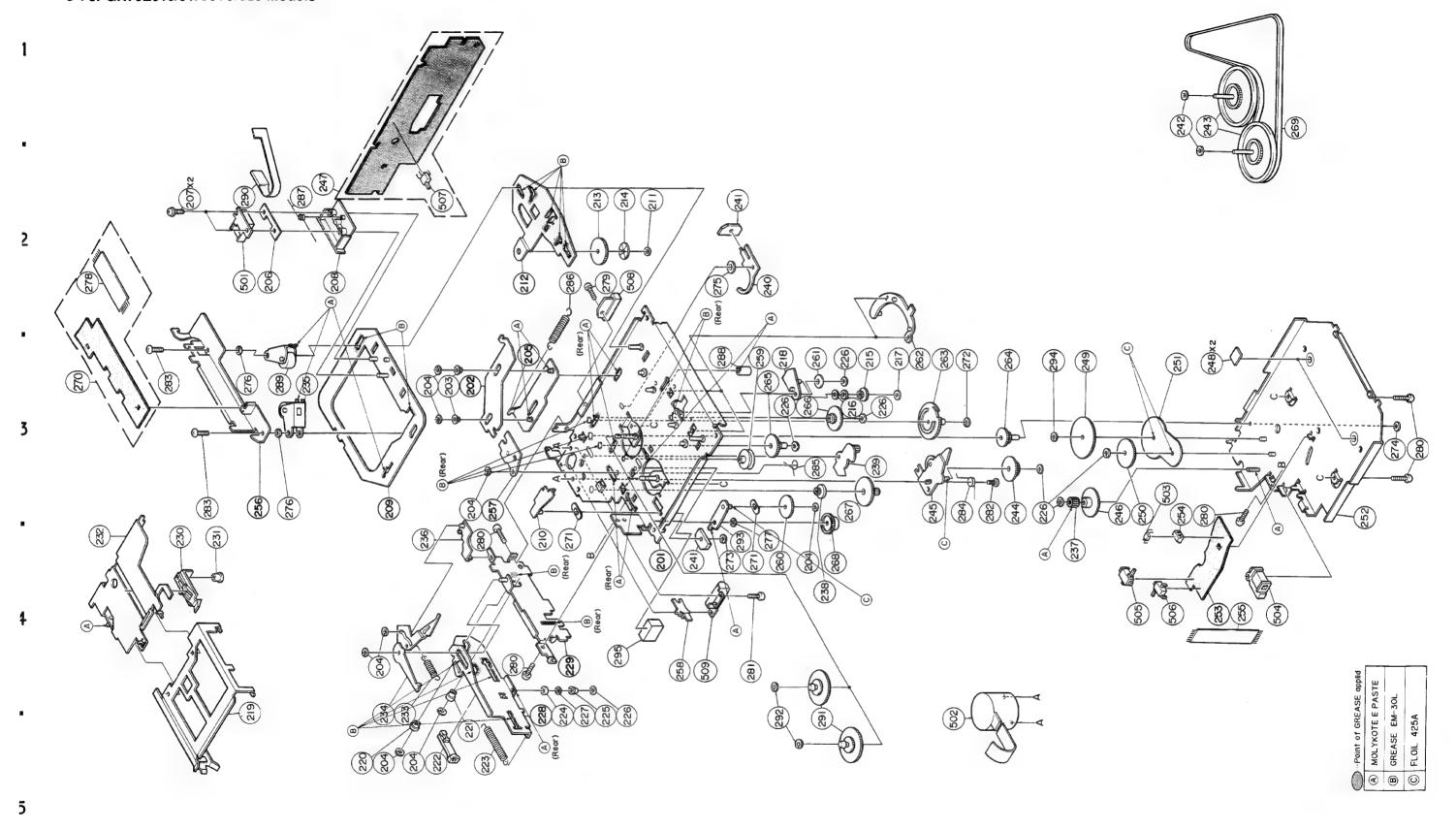


The nosepiece of the gauge must be between the minimum and maximum positions.

Figure 25

Exploded View (1/3)

• For GR75E010/01A/01C/020 Models



- 17 -

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Cassette Deck Assembly Parts List (1/3)

Note: The	parts vithout	parts 1	ist a	are not	supplied.

Symbol No.	IN- dex	Part No.	Description
203	3-C	43A11072W01	Roller, Sub Head
204		04B41345P01	Washer, Lock(M1.2)
206	2-B	41A10095W01	Spring. Head
207	2-B	03S40019G03	Screw. F-Locks (M2x4)
208	2-B	43B12545W01	Tape. Guide
210	4-C	01A10206W01	AssyRiv Lever R/F Sol
211	2-D	04B41345P29	Washer. Lock(M2.6)
213	2-D	44A10295W01	Gear. Sensor
214	2-D	14A10681W01	Reflector
215	3-E	44A10142W01	Gear, Planet
216	3-E	41A10097W02	Spring, Clutch
217	3-E	04B41345P35	Washer, Lock(Mi.7)
218	3-E	01A21853W01	Assy., Riv Lever
			Reverse
219	4-B	07B10074W01	Holder, Cassette
220	5-B	43A12583W01	Roller, Eject
221	5-C	43A63281F01	Roller, Plate Base
222	5-C	44A82206F01	Rack
223	5-C	41B10386W03	Spring. GR(Rack)
224	4-C	43A10121W01	Roller, Eject A
225	4-D	43A10360W01	Roller. Eject B
226		04B41345P11	Washer, Lock (M1.2)
227	4-D	43A12377W01	Roller, Eject C
230	4-A	45B10376W01	Slider
231	4-B	47A63278F01	Shaft, Slider
232	4-A	01A10212W01	Assy. Riv Plate Base
233	4-C	41B10386W01	Spring. Eject Arm
234	4-B	01A10148W01	Assy., Riv Eject
235	3-B	01B10381W02	Arm A Assy. Pinch Roller
235	3-B	45A10087W01	Lever Pack in SW
237	4-F	1	Pinion. Eject
238	4-E	44A13617V01	Gear, Motor Idler(B)
239	3-E	01A10201W02	Assy. Riv Lever
	-		Pause
240	2-D	45A10092W01	Lever, Play
241	1	76T10374W01	Chip
242	1-G	04S40075G05	Washer Polyslider (M2.1)
243	1-G	01A10368W01	Assy Flywheel
244	3-F	44A10141W01	Gear. Eject Idler
245	3-E	01A10205W01	Assy., Riv Lever Clutch A
246	3-F	44A10145W01	Gear. Eject
247	2-B	01V11500W18	Assy., CR Control P.C. Board
		ODEC CO.	To ONICONIO -1-1
Notes :			lel only : For CR75E010 model only lel only O: For GR75E01C model only — 19

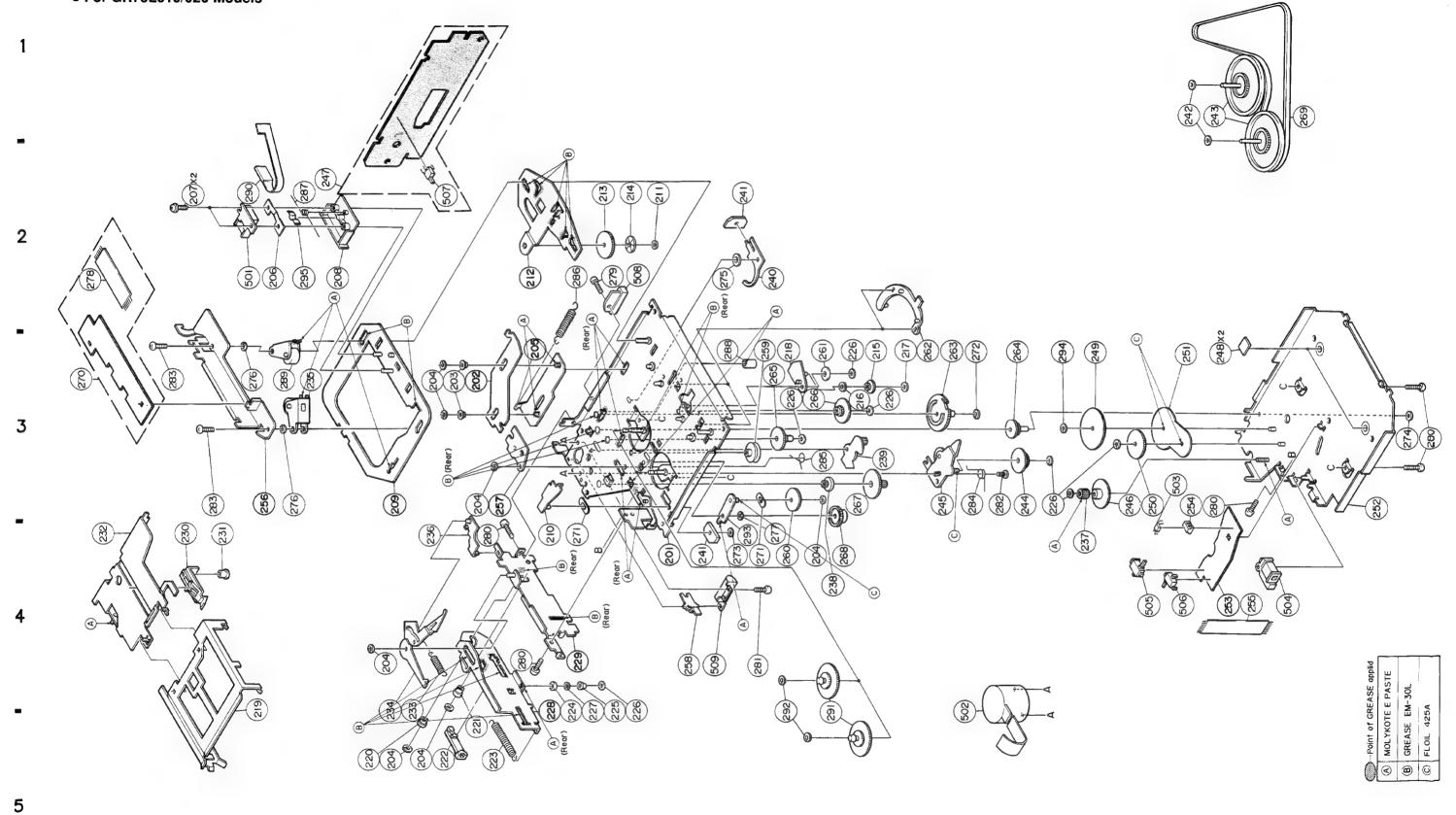
				e:The parts w	ithout parts list are not supplied.
		mbol No.	IN- dex	Part No.	Description
					Spacer. Polyslider
		249		************	Gear. Botto∎ A
- 1					Gear, Botto∎ B
				34A11122W02	
		252	3-H	01A10210W02	Assy., Riv. Cover Bottom
		254	3-G		Guide, Photo
					Wire. PC Sensor(7P)
					Lever, Eject Sol
		259	3-D		Pulley, Idler
		260	4-E	44A10133W01	Gear. Take Up
		1			Gear. Sun
		262	3-E		Gear. Fix
		263	3-E	44B10136W01	Gear, Pause
				1 2 3 3 2 4 4 4 7 7 7 7 7	Gear, Pause Idler A
		265	3-D	44A10379W01	Gear, Pause Idler B
	Į		1		Gear, Reverse Idler
	ļ	•	1		Gear, Motor Idler
				1	Gear, Reel Idler
				42A10380W01	1
	•	270	3-A	01V14700W68	Assy., GR Audio
	ĺ				P.C. Board
			İ		
	=	270	3-A	01V11500W19	Assy., GR Audio
					P.C. Board
	•	270	3-A	01V11500W19	Assy. GR Audio
					P.C. Board
	\circ	270	3-A	01V11500W19	Assy., GR Audio
		}			P.C. Board
			1	l .	Spring, Clutch
		272	3-F	04841345P15	Washer, Lock(M1.2)
		0.50		04041045000	Washer, Lock(Mi.7)
		273	1		Washer, Lock(MI)
		274	3-H		
		275	2-D		Washer, Lock(M3.1)
		276	3-B	04B41345P32 04B41345P06	Washer, Lock (M2.1)
		277	4-E	04D41343100	RASHEL : LOOK (FLC. 1/
		270	2-A	30T15126W02	Vire, PC Joint 7P
		278	i .	03S44205G78	
		279	2-D	03S44205G30	
		280	4-D		
		282	3-F	03A12132W02	Screw. Eject Clutch
	1	202	3-r	03/12/13/10/2	(M2x2.3)
					(FLEEL O)
		283		03S43997P64	Screw, Pan(M1.7x3)
		283	3-F		Spring. Eject Clutch
		284	1	41A10385W01	
		285		41N10385W01 41B10386W02	Spring, Cas rush Spring, Sub Head
		286	2-C 2-B	41A10387¥01	Spring, Sub head Spring, Pinch Roller
		201	2-D	#TUT0201#01	Oping, intellection
		288	3-D	43A12719W01	Roller. Pause
		200	3.0	ZONIE: TARVI	

289 290 291 291 291 291 291 292 293	dex 3-B 2-B 4-E 4-E 4-E 4-E 4-E	01B10381W01 84T10367W01 01T15164W01 01T15164W01 01T15164W02	Assy., Pinch Roller Head P.C. Board Assy., Reel Assy., Reel
290 291 291 291 291 291 292 293	2-B 4-E 4-E 4-E 4-E	84T10367W01 01T15164W01 01T15164W01	Head P.C. Board Assy Reel Assy Reel
291 291 291 291 291 292 293	4-E 4-E 4-E	01T15164W01 01T15164W01	Assy., Reel Assy., Reel
291 291 291 291 292 293	4-E 4-E 4-E	01T15164W01	Assy. Reel
291 291 292 293	4-E 4-E		
291 292 293	4-E	U1115164WUZ	La D. 1
292 293			Assy., Reel
293	4-E	01T15164W01	Assy., Reel
		04B41345P12	Washer, Lock(M1.7)
202	4-D	01A11078W01	Assy Riv Lever Take Up
233	4-D	01A11078W01	Assy Riv Lever Take Up
293	4-D	01A11078W01	Assy., Riv Lever Take Up
293	4-D	01A30161W01	Assy., Riv Lever
204	2_0	04841945094	Washer, Lock(M1.2)
			Rubber. Pad
	1	Misc	ellaneous
501	2-B	88T15971W01	Head
501	2-B	88T10373W01	Head
501	2-B	88T10373W01	Head
501	2-B	88T10373W01	Head
502	4-E	01V11500W64	Assy Motor
503	3-G	51T15144W01	Sensor, Photo
504	4-G	01T10371W01	R/F Sol. Assy.
		40T15382W01	SW., Detector
000	7 '	40110002#01	(Pack Down)
500		40715000001	,
		1	SW., Detector(Metal)
507	2-C	40115222W01	SW Detector (Pack In)
508	2-D	01T15249W01	Assy., Play Solemoid
509	4-D	01T10369W02	Assy., Eject Solenoid
	294 295 501 501 501 502 503 504 505 506 507	294 3-F 295 4-D 501 2-B 501 2-B 501 2-B 501 2-B 502 4-E 503 3-G 504 4-G 505 4-F 506 4-G 507 2-C 508 2-D	294 3-F 04B41345P34 295 4-D 75S12196W88 Misce 501 2-B 88T15971W01 501 2-B 88T10373W01 501 2-B 88T10373W01 501 2-B 88T10373W01 502 4-E 01V11500W64 503 3-G 51T15144W01 504 4-G 01T10371W01 40G 40T15382W01 506 4-G 40T15382W01 507 2-C 40T15222W01 508 2-D 01T15249W01

Notes : ● ; For GR75E020 model only ■ ; For GR75E010 model only

Exploded View (2/3)

● For GR75L010/020 Models



- 21 -A B C D B F

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Cassette Deck Assembly Parts List (2/3)

No.	JN-	Part No.	Description
No.	dex 3-C	49411070001	Doll Cub Hood
	3-6	43A11072W01 04B41345P01	Roll. Sub Head Washer, Lock (M1.2)
204	00		
		41A21671W01	Spring. Head
207		03S40019G03	Screw. F-Locks (M2x4)
208	2-B	43B12545W01	Tape, Guide
210	4-C	01A10206W01	Assy Riv Lever R/F Sol.
211	2-D	04B41345P29	Washer, Lock(M2.6)
213	2-D	44A10295W01	Gear, Sensor
214	2-D	14A10681W01	Reflector
215	3-E	44A10142W01	Gear, Planet
216	3-E	41A10097W02	Spring. Clutch
217	3-E	04B41345P31	Washer, Lock(M1.7)
218	3-E	01A21853W01	Assy Riv Lever
			Reverse
219	4-B	07B10074W01	Holder, Cassette
220	5-B	43A12583W01	Roller, Eject
221	5-C	43A22153W01	Roller, Plate Base
222	5-C	44A82206F01	Rack
223	5-C	41B10386W03	Spring, GR(Rack)
224	4-C	43A10121W01	Roller, Eject(A)
225	4-D	43A10360W01	Roller, Eject(B)
226		04B41345P11	Washer, Lock(M1.2)
227	4-D	43A12377W01	Roller, Eject(C)
230	4-A	45B10376W01	Slider
231	4-B	47A63278F01	Shaft, Slider
232	4-A	01A10212W01	Assy., Riv Plate Base
233	4-C	41B10386W01	Spring. Eject Arm
234	4-B	01A21754W01	Assy Riv Eject
			Arm(A)
235	3-B	01B10381W02	Assy., Pinch Roller
236	4-C	45A10087W01	Lever, Pack In SW.
237	4-F	44A20314W01	Pinion. Eject
238	4-E	44A13617W01	Gear. Motor Idler(B)
239	3-E	01A10201W02	Assy., Riv Lever
240	2-D	45A10092W01	Lever. Play
241	2.5	76T10374W01	Chip
242	1-G	04S40075G05	Washer, Polyslider
225	- 4	10.000	(M2.1)
243	1-G	01A10368W01	Assy., Flywheel
244	3-F	44A10141W02	Gear. Eject Idler
245	3-E	01A10205W02	Assy., Riv Lever
			Clutch(A)
246	3-F	44A10145W01	Gear, Eject
247	2-B	01V23700W03	Assy., GR Control
			P.C. Board

Sv	ebo1	IN-		ithout parts list are not supplied.
	No.	dex	Part No.	Description
	248		43A90918F01	Spacer, Polyslider
	249		44A11063W01	Gear, Bottom(A)
	250	1	44A11064W01	Gear, Bottom(B)
	251		34A11122W02	Washer, CR
	252	3-H	01A10210W02	Assy., Riv. Cover Bottom
	254	3-G	15B11065W01	Guide, Photo
	255	4-G	30T15126W01	Wire, PC Sensor(7P)
	258	ł	45A10101W01	Lever. Eject Sol.
	259	3-D	49A10131W01	Pulley, Idler
	260		44A10133W01	Gear. Take Up
	261	L	44A10134W01	Gear. Sun
	262		44B10135W01	Gear. Fix
	263	3-E	44B21670W01	Gear. Pause
	264	3-F	44A10137W01	Gear, Pause Idler(A)
	265	3-D	44A10379W01	Gear, Pause Idler(B)
	266	3-E	44A10138W01	Gear, Reverse idler
	267		44A10139W01	Gear, Motor Idler
	268	1	44A11062W01	Gear, Reel Idler
	269		42A10380W01	Belt, GR
*	270	3-A	01V11500W19	Assy. GR Audio
^	2.0	"	01,11000#10	P.C. Board
•	270	3-A	01V14700W68	Assy., CR Audio
				P.C. Board
	271		41A10097W02	Spring, Clutch
	272		04B41345P15	Washer, Lock (M1.2)
	273	4-D	04B41345P02	Washer, Lock(M1.7)
	274	3-H	04B41345P17	Washer, Lock(M1)
	275	2-D	04B41345P30	Washer, Lock(M3.1)
	276	1	04B41345P32	Washer, Lock(M3.1)
	277	4-E	04B41345P06	Washer, Lock(M2.1)
	278	2-A	30T15126W02	Wire, PC Joint 7P
	279	2-D	03S44205G78	Screw. Pan(M2x6)
	280		03S44205G30	Screw. Pan(M2.6x4)
	281	4-D	03S72235F38	Screw. Pan(M2x3.3)
	282	3-F	03A12132W02	Screw. Eject Clutch (M2x2.3)
	283		03S43997P64	Screw. Pan(M1.7x3)
	284	3-F	41A10384W01	Spring. Eject Clutch
				•
	285	3-E	41A10385W01	Spring, Cas. Push
	286	2-C	41B10386W02	Spring, Sub Head
	287	2-B	41A10387W01	Spring, Pinch Roller
	288	3-D	43A12719W01	Roller, Pause
	289	3-B	01B10381W01	Assy., Pinch Roller
	290	2-B	84T10367W01	Head P.C. Board
		1		

	mbol No.	1N- dex	Part No.	Description	
	291	4-E	01T15164W03	Assy Reel	
	292	4-E	04B41345P12	Washer, Lock(M1.7)	
	293	4-D	01A11078¥01	Assy., Riv Lever	
				Take Up	
	294	3-F	04B41345P34	Washer, Lock(M1.2)	
	295	2-B	26A20537W01	Shield. Plate	
			Misc	ellaneous	
t	501	2-B	88T10373W01	Head	
•	501	2-B	88T15971W01	Head	
	502	4-E	01V23900W60	Assy., Motor	
		I		0 01	

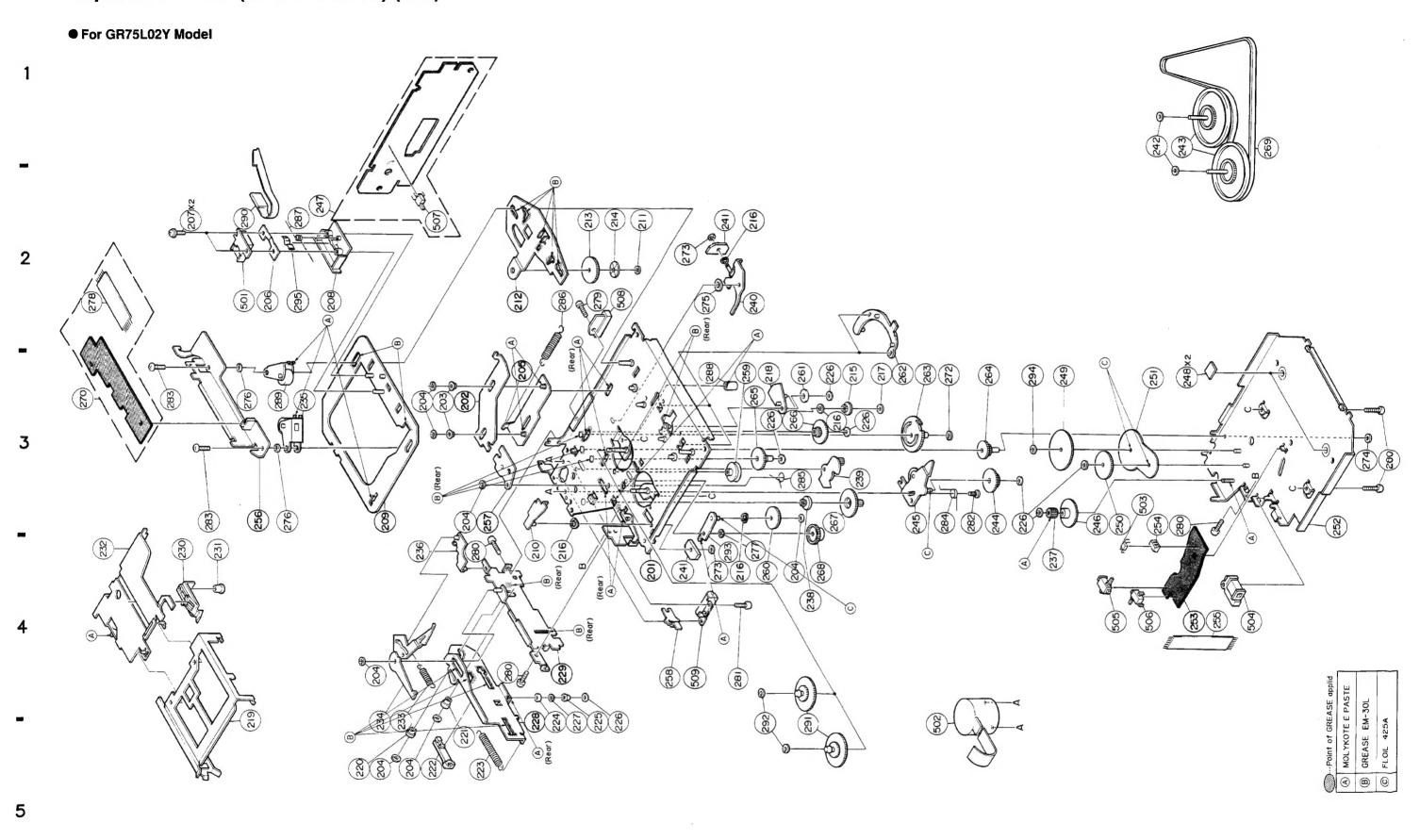
	295	2-B	26A20537W01	Shield, Plate
		L	Misce	ellaneous
*	501	2-B	88T10373W01	Head
•	501	2-B	88T15971W01	Head
	502	4-E	01V23900W60	Assy., Motor
	503	3-G	51T15144W01	Sensor, Photo
	504	4-G	01T10371W01	R/F Sol. Assy
	505	1	40T15382W01	SW., Detector (Pack Down)
	506	4-G	40T15382W01	SW Detector (Metal)
	507	2-C	40T15222W01	SW Detector (Pack In)
	508	2-D	01T15249W01	Assy., Play Solenoid
	509	4-D	01T10369W02	Assy., Eject Solenoid
				ŀ
			ļ	

Notes : ★ ; For GR75L010 model only ◆ ; For GR75L020 model only Others ; Common

Notes : ★ ; For GR75L010 model only ◆ ; For GR75L020 model only

Others : Common

Exploded View (GR-Y Series) (3/3)



A I B I C I D I E I F I G I

Cassette Deck Assembly Parts List (GR-Y Series) (3/3)

Symbol No.	IN- dex	Part No.	Description
203		42411070001	Poll Sub Bood
	3-C	43A11072W01	Roll. Sub Head
204		04B41345P01	Washer, Lock (M1.2)
206	2-B	41A21671W01	Spring, Head
207	2-B	03S40019G03	Screw. F-Locks (M2x4)
208	2-B	43B12545W01	Tape. Guide
210	4-C	01A10206W01	Assy., Riv Lever R/F
			So1.
211	2-D	04B41345P38	Washer, Lock(M2.6)
213	2-D	44A10295W01	Gear. Sensor
214	2-D	14A10681W01	Reflector
215	3-E	44A10142W01	Gear, Planet
220		111101101	assir ranet
216		41A10097W02	Spring, Clutch
217	3-E	04B41345P31	Washer, Lock(M1.7)
218	3-E	01A21853W01	Assy., Riv Lever
			Reverse
219	4-B	07B10074W01	Nolder, Cassette
220	5-B	43A12583W01	Roller. Eject
221	5-C	43A63281F01	Roller, Plate Base
222		44A82206F01	Rack
223		41B10386W03	Spring, GR(Rack)
224	4-C	43A10121W01	Roller, Eject(A)
225	4-D	43A10360W01	Roller, Eject(B)
226		04B41345P11	Washer, Lock(M1.2)
227	4-D	43A12377W01	Roller, Eject(C)
230	4-A	45B10376W01	Slider
	4-B	47A63278F01	Shaft, Slider
232	4-A	01A10212W01	Assy Riv Plate Base
200			
233	4-C	41B10386W01	Spring, Eject Arm
234	4-B	01A21754W01	Assy., Riv Eject Arm(A)
235	3-B	01B10381W02	Assy. Pinch Roller
. 236	1	45A10087W01	Lever, Pack In SW.
237		44A20314W01	Pinion, Eject
238	4-E	44A13617W01	Gear. Motor Idler(B)
239	3-E	01A10201W02	Assy Riv Lever
			Pause
240	2-D	01A30879W01	Assy., Riv. Play Sol.
241		76T10374W01	Chip
242	1-C	04S40075G05	Washer. Polyslider
			(M2.1)
243	1-G	01A10368W01	Assy., Flywheel
244	1	44A10141W01	Gear, Eject Idler
245	3-E	01A10205W02	Assy., Riv Lever Clutch(A)
246	3-F	44A10145W01	Gear, Eject
247	2-B	01V23700W04	Assy. GR Control
	2 0	01120100#04	-
	1		P.C. Board

Symbol IN- dex		No	te: The parts	without parts list are not supplied.
249				Description
250	24	8 3-G	43A90918F01	Spacer. Polyslider
251 3-G 34A11122V02 Assy Riv. Cover Bottom	24	9 3-F	44A11063W01	Gear, Bottom(A)
252 3-H 01A10210W02 Assy. Riv. Cover Bottom 254 3-G 15B11065W01 Guide. Photo 255 4-G 30T15126W01 Vire. PC Sensor(7P) 258 4-D 45A10101W01 259 3-D 49A10131W01 Gear. Take Up 261 3-E 44A10133W01 Gear. Fix 263 3-E 44B10135W01 Gear. Pause Idler(A) 265 3-D 44A101379V01 Gear. Pause Idler(B) 266 3-E 44A10133W01 Gear. Pause Idler(B) 267 3-E 44A10133W01 Gear. Reverse Idler 267 3-E 44A10139W01 Gear. Reverse Idler 268 4-E 44A10139W01 Gear. Reverse Idler 269 1-G 42A10380W01 Belt. GR 270 3-A 01V33300W03 Assy. GR Audio P.C. Board 272 3-F 04B41345P15 Washer. Lock(M1.2) 273 3-B 04B41345P37 Washer. Lock(M3.1) 275 2-D 04B41345P30 Washer. Lock(M3.1) 276 3-B 04B41345P37 Washer. Lock(M3.1) 277 4-E 04B41345P37 Washer. Lock(M3.1) 278 2-A 30T15126W02 Washer. Lock(M3.1) 279 2-D 03S44205G78 Screw. Pan(M2x6) 280 03S4205G30 Screw. Pan(M2x6) 281 4-D 03S72235F38 Screw. Pan(M2x3.3) 282 3-F 03A12132W02 Screw. Pan(M2x3.3) 283 03S43997P64 Screw. Pan(M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch (M2x2.3) 287 2-B 41A10384W01 Spring. Eject Clutch (M2x2.3) 287 2-B 41A10384W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Sub Head 287 2-B 41A10381W01 Spring. Pinch Roller 288 3-D 43A12719W01 Spring. Pinch Roller	25	0 3-F	44A11064W01	Gear, Bottom (B)
252 3-H 01A10210W02 Assy. Riv. Cover Bottom 254 3-G 15B11065W01 Guide. Photo 255 4-G 30T15126W01 Vire. PC Sensor(7P) 258 4-D 45A10101W01 259 3-D 49A10131W01 Gear. Take Up 261 3-E 44A10133W01 Gear. Fix 263 3-E 44B10135W01 Gear. Pause Idler(A) 265 3-D 44A101379V01 Gear. Pause Idler(B) 266 3-E 44A10133W01 Gear. Pause Idler(B) 267 3-E 44A10133W01 Gear. Reverse Idler 267 3-E 44A10139W01 Gear. Reverse Idler 268 4-E 44A10139W01 Gear. Reverse Idler 269 1-G 42A10380W01 Belt. GR 270 3-A 01V33300W03 Assy. GR Audio P.C. Board 272 3-F 04B41345P15 Washer. Lock(M1.2) 273 3-B 04B41345P37 Washer. Lock(M3.1) 275 2-D 04B41345P30 Washer. Lock(M3.1) 276 3-B 04B41345P37 Washer. Lock(M3.1) 277 4-E 04B41345P37 Washer. Lock(M3.1) 278 2-A 30T15126W02 Washer. Lock(M3.1) 279 2-D 03S44205G78 Screw. Pan(M2x6) 280 03S4205G30 Screw. Pan(M2x6) 281 4-D 03S72235F38 Screw. Pan(M2x3.3) 282 3-F 03A12132W02 Screw. Pan(M2x3.3) 283 03S43997P64 Screw. Pan(M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch (M2x2.3) 287 2-B 41A10384W01 Spring. Eject Clutch (M2x2.3) 287 2-B 41A10384W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Sub Head 287 2-B 41A10381W01 Spring. Pinch Roller 288 3-D 43A12719W01 Spring. Pinch Roller	25	1 3-G	34A11122W02	Washer, GR
254	25	2 3-H		Assy., Riv. Cover Bottom
255 4-G 30T15126V01				
255 4-G 30T15126V01	25	4 3-G	15B11065W01	Guide, Photo
258 4-D 49A10131W01 Lever. Eject Sol.	1			
259 3-D 49A10131W01 Pulley. Idler Gear. Take Up			1	
260 4-E 44A10133W01 Gear. Take Up		1		
261 3-E 44A10134V01 262 3-E 44B10135V01 263 3-E 44B10135V01 264 3-F 44A10137V01 265 3-D 44A10379V01 266 3-E 44A10138V01 267 3-E 44A10138V01 268 4-E 44A11062V01 269 1-G 42A10380V01 270 3-A 01V33300V03 271 3-F 04B41345P15 04B41345P15 04B41345P02 273 04B41345P02 274 3-H 04B41345P17 04B41345P30 276 3-B 04B41345P30 04B41345P30 277 4-E 04B41345P30 04B41345P30 03S44205G30 03S44205G30 03S4205G78 03S44205G78 03S44205G78 03S72235F38 03S43997F64 03S7225F37 03S4399764 03S7225F37 03S4399764 03S7225F37 03S4399764 03S7225F37 03S4399764 03S7225F37 03S4399764 03S7225F				
262 3-E 44B10135W01 Gear. Fix Gear. Pause dear. Paus d	20	, , ,	44110100101	deal, lake op
262 3-E 44B10135W01 Gear. Fix Gear. Pause dear. Paus d	26	1 3-E	44A10134V01	Gear, Sun
263 3-E 44B21670W01 Gear. Pause 264 3-F 44A10137W01 Gear. Pause Idler(A) 265 3-D 44A10379W01 Gear. Pause Idler(B) 266 3-E 44A10138W01 Gear. Reverse Idler 267 3-E 44A10139W01 Gear. Motor Idler 268 4-E 44A11062W01 Gear. Reel Idler 269 1-G 42A10380W01 Belt. GR 270 3-A 01V33300W03 Assy. GR Audio P.C. Board 272 3-F 04B41345P15 Washer. Lock(M1.2) 273 04B41345P02 Washer. Lock(M1.7) 274 3-H 04B41345P17 Washer. Lock(M1.7) 275 2-D 04B41345P30 Washer. Lock(M3.1) 276 3-B 04B41345P32 Washer. Lock(M3.1) 277 4-E 04B41345P37 Washer. Lock(M3.1) 277 4-E 04B41345P37 Washer. Lock(M3.1) 278 2-A 30T15126W02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan(M2x6) 280 03S44205G30 Screw. Pan(M2x6) 281 4-D 03S72235F38 Screw. Pan(M2x3.3) 282 3-F 03A12132W02 Screw. Pan(M2x3.3) 283 03S43997P64 Vialous Spring. Eject Clutch (M2x2.3) 284 3-F 41A10384W01 Spring. Eject Clutch (M2x2.3) 285 3-E 41A10385W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Assy Pinch Roller 289 3-B 01B10381W01 Assy Pinch Roller				
264 3-F 44A10137901 Gear. Pause idler(A) 265 3-D 44A1037901 Gear. Pause idler(A) 266 3-E 44A10138001 Gear. Reverse idler 267 3-E 44A10139001 Gear. Reel idler 268 4-E 44A10380001 Belt. GR 269 1-G 42A10380001 Belt. GR 270 3-A 01V33300003 Assy GR Audio P.C. Board P.C. Board 272 3-F 04B41345P15 Washer. Lock(M1.2) 273 04B41345P02 Washer. Lock(M1.7) 274 3-H 04B41345P17 Washer. Lock(M1.7) 275 2-D 04B41345P30 Washer. Lock(M3.1) 276 3-B 04B41345P37 Washer. Lock(M3.1) 277 4-E 04B41345P37 Washer. Lock(M2.1) 279 2-D 03S44205G30 Screw. Pan(M2x6) 280 03S4205G30 Screw. Pan(M2x6) 281 4-D 03S43997P64 Screw. Eject Clutch <td< td=""><td></td><td></td><td></td><td></td></td<>				
265 3-D 44A10379V01 Gear. Pause Idler (B) 266 3-E 44A10138V01 Gear. Reverse Idler 287 3-E 44A10139V01 Gear. Reel Idler 288 4-E 44A11062V01 Belt. GR 270 3-A 01V33300V03 Assy. GR Audio 272 3-F 04B41345P15 Washer. Lock (M1.2) 273 04B41345P02 Washer. Lock (M1.7) 274 3-H 04B41345P17 Washer. Lock (M1.7) 275 2-D 04B41345P30 Washer. Lock (M3.1) 276 3-B 04B41345P37 Washer. Lock (M3.1) 277 4-E 04B41345P37 Washer. Lock (M2.1) 279 2-D 03S44205G78 Screw. Pan (M2x6) 280 03S44205G30 Screw. Pan (M2x6) 281 4-D 03S72235F38 Screw. Pan (M2x3.3) 282 3-F 03A12132V02 Screw. Eject Clutch (M2x2.3) Screw. Pan (M1.7x3) Spring. Eject Clutch 285 3-E 41A10385V01				
266 3-E 44A10138V01 Gear. Reverse Idler 267 3-E 44A10139V01 Gear. Motor Idler 268 4-E 44A11062V01 Gear. Reel Idler 269 1-G 42A10380V01 Belt. GR 270 3-A 01V33300V03 Assy. GR Audio 272 3-F 04B41345P15 Washer. Lock(M1.2) 273 04B41345P02 Washer. Lock(M1.7) 274 3-H 04B41345P17 Washer. Lock(M1.7) 275 2-D 04B41345P30 Washer. Lock(M3.1) 276 3-B 04B41345P37 Washer. Lock(M3.1) 277 4-E 04B41345P37 Washer. Lock(M2.1) 278 2-A 30T15126V02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan(M2x6) 280 03S44205G30 Screw. Pan(M2x6) 281 4-D 03S72235F38 Screw. Pan(M2x3.3) 282 3-F 03A12132V02 Screw. Eject Clutch (M2x2.3) Screw. Pan(M1.7x3) Spring.	1			
267	20	ט־ט	##W10919#01	deal , rause (uler(b)
267	26	6 3-F	44410138901	Gear. Reverse Idler
268				
269 1-G 42A10380W01 Belt. GR 270 3-A 01V33300W03 Rssy GR Audio P.C. Board 272 3-F 04B41345P15 Washer. Lock(M1.2) 273 04B41345P02 Washer. Lock(M1.7) 274 3-H 04B41345P17 Washer. Lock(M1.7) 275 2-D 04B41345P30 Washer. Lock(M3.1) 276 3-B 04B41345P32 Washer. Lock(M3.1) 277 4-E 04B41345P37 Washer. Lock(M3.1) 278 2-A 30T15126W02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan(M2x6) 280 03S44205G30 Screw. Pan(M2.6x4) 281 4-D 03S72235F38 Screw. Pan(M2.6x4) 281 4-D 03S72235F38 Screw. Pan(M1.7x3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan(M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch Spring. Cas. Push 285 3-E 41A10385W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller				
270 3-A 01V33300W03 Assy. GR Audio P.C. Board 272 3-F 04B41345P15 Washer. Lock(M1.2) 273 04B41345P02 Washer. Lock(M1.7) 274 3-H 04B41345P17 Washer. Lock(M1.7) 275 2-D 04B41345P30 Washer. Lock(M3.1) 276 3-B 04B41345P32 Washer. Lock(M3.1) 277 4-E 04B41345P37 Washer. Lock(M3.1) 278 2-A 30T15126W02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan(M2x6) 280 03S44205G30 Screw. Pan(M2.6x4) 281 4-D 03S72235F38 Screw. Pan(M2x3.3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan(M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch Spring. Cas. Push 285 3-E 41A10385W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller				
P.C. Board P.C. B				
272 3-F 04B41345P15 Washer. Lock (M1.2) 273 04B41345P02 Washer. Lock (M1.7) 274 3-H 04B41345P17 Washer. Lock (M1) 275 2-D 04B41345P30 Washer. Lock (M3.1) 276 3-B 04B41345P32 Washer. Lock (M3.1) 277 4-E 04B41345P37 Washer. Lock (M3.1) 278 2-A 30T15126W02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan (M2x6) 280 03S44205G30 Screw. Pan (M2x6) 281 4-D 03S72235F38 Screw. Pan (M2x3.3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan (M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch Spring. Cas. Push 285 3-E 41A10385W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Assy Pinch Roller 289 3-B 01B10381W01 Assy Pinch Roller	21	0 3-A	01133300#03	
273 04B41345P02 Washer. Lock (M1.7) 274 3-H 04B41345P17 Washer. Lock (M1) 275 2-D 04B41345P30 Washer. Lock (M3.1) 276 3-B 04B41345P32 Washer. Lock (M3.1) 277 4-E 04B41345P37 Washer. Lock (M2.1) 278 2-A 30T15126W02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan (M2x6) 280 03S44205G30 Screw. Pan (M2.6x4) 281 4-D 03S72235F38 Screw. Pan (M2x3.3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan (M1.7x3) Spring. Eject Clutch Spring. Cas. Push 284 3-F 41A10385W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Assy Pinch Roller 289 3-B 01B10381W01 Assy Pinch Roller				r.c. board
273 04B41345P02 Washer. Lock (M1.7) 274 3-H 04B41345P17 Washer. Lock (M1) 275 2-D 04B41345P30 Washer. Lock (M3.1) 276 3-B 04B41345P32 Washer. Lock (M3.1) 277 4-E 04B41345P37 Washer. Lock (M2.1) 278 2-A 30T15126W02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan (M2x6) 280 03S44205G30 Screw. Pan (M2.6x4) 281 4-D 03S72235F38 Screw. Pan (M2x3.3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan (M1.7x3) Spring. Eject Clutch Spring. Cas. Push 284 3-F 41A10385W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Assy Pinch Roller 289 3-B 01B10381W01 Assy Pinch Roller	27	2 3-F	04B41345P15	Washer, Lock (M1.2)
274 3-H 04B41345P17 Washer. Lock(M1) 275 2-D 04B41345P30 Washer. Lock(M3.1) 276 3-B 04B41345P32 Washer. Lock(M3.1) 277 4-E 04B41345P37 Washer. Lock(M2.1) 278 2-A 30T15126W02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan(M2x6) 280 03S44205G30 Screw. Pan(M2.6x4) 281 4-D 03S72235F38 Screw. Pan(M2x3.3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) Screw. Pan(M1.7x3) Spring. Eject Clutch 283 3-E 41A10384W01 Spring. Cas. Push 286 2-C 41B10386W02 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 289 3-B 01B10381W01 Assy Pinch Roller		1		
275 2-D 04B41345P30 Washer. Lock (M3.1) 276 3-B 04B41345P32 Washer. Lock (M3.1) 277 4-E 04B41345P37 Washer. Lock (M2.1) 278 2-A 30T15126W02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan (M2x6) 280 03S44205G30 Screw. Pan (M2.6x4) 281 4-D 03S72235F38 Screw. Pan (M2x3.3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan (M1.7x3) Spring. Eject Clutch Spring. Eject Clutch Spring. Cas. Push 285 3-E 41A10385W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller				
276 3-B 04B41345P32 Washer. Lock(M3.1) 277 4-E 04B41345P37 Washer. Lock(M2.1) 278 2-A 30T15126W02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan(M2x6) 280 03S44205G30 Screw. Pan(M2.6x4) 281 4-D 03S72235F38 Screw. Pan(M2x3.3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) Screw. Pan(M1.7x3) Spring. Eject Clutch 284 3-F 41A10384W01 Spring. Eject Clutch 285 3-E 41A10385W01 Spring. Cas. Push 286 2-C 41B10386W02 Spring. Pinch Roller 287 2-B 41A10387W01 Spring. Pinch Roller 289 3-B 01B10381W01 Assy Pinch Roller				
277				
278 2-A 30T15128W02 Wire. PC Joint 7P 279 2-D 03S44205G78 Screw. Pan(M2x6) 280 03S44205G30 Screw. Pan(M2.6x4) 281 4-D 03S72235F38 Screw. Pan(M2x3.3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan(M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch Spring. Eject Clutch Spring. Cas. Push 285 3-E 41A10385W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller			01012010102	Macher Book (10.1)
279 2-D 03S44205G78 Screw. Pan(M2x6) 280 03S44205G30 Screw. Pan(M2.6x4) 281 4-D 03S72235F38 Screw. Pan(M2x3.3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan(M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch Spring. Cas. Push 241B10386W02 285 3-E 41A10385W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller Roller Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller	27	7 4-E	04B41345P37	Washer, Lock (M2.1)
280 281 4-D 03S44205G30 Screw. Pan(M2.6x4) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan(M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch 285 3-E 41A10385W01 Spring. Cas. Push 286 2-C 41B10386W02 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller	27	8 2-A	30T15126W02	Wire, PC Joint 7P
281 4-D 03S72235F38 Screw. Pan(M2x3.3) 282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan(M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch Spring. Cas. Push 285 3-E 41A10385W01 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller	27	9 2-D	03S44205G78	Screw. Pan(M2x6)
282 3-F 03A12132W02 Screw. Eject Clutch (M2x2.3) 283 03S43997P64 Screw. Pan(M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch 285 3-E 41A10385W01 Spring. Cas. Push 286 2-C 41B10386W02 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller	28	0	03S44205G30	Screw. Pan(M2.6x4)
283 03S43997P64 (M2x2.3) Screw. Pan(M1.7x3) Screw. Pan(M1.7x3) Spring. Eject Clutch Spring. Cas. Push Spring. Sub Head Spring. Sub Head Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller	28	1 4-D	03S72235F38	Screw. Pan(M2x3.3)
283 03S43997P64 (M2x2.3) Screw. Pan(M1.7x3) Screw. Pan(M1.7x3) Spring. Eject Clutch Spring. Cas. Push Spring. Sub Head Spring. Sub Head Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller				
283 03S43997P64 Screw. Pan(M1.7x3) 284 3-F 41A10384W01 Spring. Eject Clutch 285 3-E 41A10385W01 Spring. Cas. Push 286 2-C 41B10386W02 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller	28	2 3-F	03A12132W02	Screw. Eject Clutch
284 3-F 41A10384W01 Spring. Eject Clutch				(M2x2.3)
285 3-E 41A10385W01 Spring. Cas. Push Spring. Sub Head	28	3	03S43997P64	Screw. Pan(M1.7x3)
286 2-C 41B10386W02 Spring. Sub Head 287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy Pinch Roller	28	4 3-F	41A10384W01	Spring. Eject Clutch
287 2-B 41A10387W01 Spring. Pinch Roller 288 3-D 43A12719W01 Roller. Pause 289 3-B 01B10381W01 Assy. Pinch Roller	28	5 3-E	41A10385W01	Spring. Cas. Push
288 3-D 43A12719W01 Roller Pause 289 3-B 01B10381W01 Assy. Pinch Roller	28	6 2-C	41B10386W02	Spring. Sub Head
288 3-D 43A12719W01 Roller Pause 289 3-B 01B10381W01 Assy. Pinch Roller				
289 3-B 01B10381W01 Assy. Pinch Roller	28	1		
			43A12719W01	·
290 2-B 84T35271W01 Head P.C. Board	28	9 3-B	01B10381W01	
	291	0 2-B	84T35271W01	Head P.C. Board

Cushal	1.11		
Symbol	IN-	Part No.	Description
No.	dex	01715104100	A
291	4-E	01T15164W03	Assy. Reel
292	4-E	04B41345P12	Washer, Lock(M1.7)
293	4-D	01A30161W01	Assy Riv Lever
			Take Up
294	3-F	04B41345P34	Washer, Lock (M1.2)
295	2-B	26A20537W01	Shield, Plate
		Misce	ellaneous
501	2-B	88T15971W01	Head
502	4-E	01V23900W60	Assy., Motor
503	3-G	51T15144W01	Sensor. Photo
504	4-G	01T10371W01	R/F Sol. Assy
			.,.
505	4-F	40T15382W01	SW., Detector (Pack Down)
506	4-G	40T15382W01	SW., Detector (Metal)
507	2-C	40T15222W01	SW. Detector (Pack In)
508	2-D	01T15249W01	Assy. Play Solenoid
509	4-D	01T10369W02	Assy., Eject Solenoid
309	4-0	01110303#02	noof. Dect Sofeliotu
		1	